

International Baccalaureate · IB Diploma · Computer Science · HL

Glossary · every term in the course, A–Z

English

abstract class

abstract data type

/ˈæbstrækt ˈdeɪtə taɪp/

abstract method

abstraction

/əbˈstrækʃn/

academic integrity

/ˌækəˈdemɪk ɪnˈtegrɪti/

acceptance test

/əkˈseptəns test/

accessor

/əkˈsesə/

accuracy

/ˈækjʊrəsi/

acknowledged

additional terminology

aggregate function

/ˈægrɪgeɪt ˈfʌŋkʃn/

aggregation

/ˌægrɪˈgeɪʃn/

AI tool

algorithm

/ˈælɡərɪθəm/

algorithmic design

anonymised

arithmetic logic unit

/əˈrɪθmətɪk ˈlɒdʒɪk ˈjuːnɪt/

array

/əˈreɪ/

English

artificial intelligence

/,ɑ:ti'fɪʃl ɪn'telɪdʒəns/

artificial neural network

asymmetric

/,eɪsɪ'metrɪk/

asymmetric encryption

/,eɪsɪ'metrɪk en'krɪptʃn/

attribute

/'ætrɪbjʊ:t/

authentication

/ɔ:,θentɪ'keɪʃn/

authorization

/,ɔ:θəraɪ'zeɪʃn/

balanced

/'bælənst/

bandwidth

/'bændwɪðθ/

base case

/beɪs keɪs/

behaviour

bias

/'baɪəs/

Big O notation

binary

/'baɪnəri/

binary search

/'baɪnəri sɜ:tʃ/

binary search tree

/'baɪnəri sɜ:tʃ tri:/

binary tree

/'baɪnəri tri:/

bit

/bɪt/

boundary case

/'baʊndəri keɪs/

boundary data

/'baʊndəri 'deɪtə/

English

boundary test

/ˈbaʊndəri test/

bubble sort

/ˈbʌbl sɔ:t/

bus

/bʌs/

byte

/baɪt/

bytecode

/ˈbaɪtkəʊd/

cache

/kæʃ/

call stack

/kɔ:l stæk/

case study

/keɪs ˈstʌdi/

casting

/ˈkæstɪŋ/

central processing unit

/ˈsentrəl ˈprəʊsesɪŋ ˈju:nɪt/

chaining

/ˈtʃeɪnɪŋ/

children

circular

class

/klæs/

classification

/ˌklæsɪfɪˈkeɪʃn/

client–server

clock speed

/klɒk spi:d/

cloud computing

/klaʊd kəmˈpjʊtɪŋ/

collision

/kəˈlɪʒn/

colour depth

/ˈkʌlə depθ/

command term

English

compiler

/kəm'paɪlə/

composite key

/'kɒmpəzɪt ki:/

composition

/,kɒmpə'zɪʃn/

compression

/kəm'preʃn/

computational solution

/,kɒmpju:'teɪʃənl sə'lu:ʃn/

concatenation

/kən,kætə'neɪʃn/

confusion matrix

constant

/'kɒnstənt/

constructor

/kən'strʌktə/

control unit

/kən'trəʊl 'ju:nɪt/

core

/kɔ:/

data leakage

/'deɪtə 'li:kɪdʒ/

data preprocessing

data redundancy

/'deɪtə rɪ'dʌndənsi/

data type

/'deɪtə taɪp/

data warehouse

database

/'deɪtəbeɪs/

database management

system

/'deɪtəbeɪs 'mænɪdʒmənt 'sɪstəm/

debugger

/'di:bʌgə/

decision tree

/dɪ'sɪʒn tri:/

English

decomposition

/ˌdi:kɒmpə'zɪʃn/

deep learning

/di:p 'lɜ:nɪŋ/

design pattern

DHCP

/ˌdi: eɪtʃ si: 'pi:/

difference

digital certificate

/ˈdɪdʒɪtl sə'tɪfɪkət/

DNS

/ˌdi: en 'es/

doubly linked

driver

/ˈdraɪvə/

dynamic data structure

encapsulation

/ɪnˌkæpsjʊ'leɪʃn/

encryption

/en'krɪpʃn/

end user

entity

/ˈentɪti/

entity-relationship diagram

/ˈentɪti rɪ'leɪʃənʃɪp 'daɪəgræm/

evaluation

/ɪˌvælju:'eɪʃn/

exception

/ek'sepʃn/

feature

feature selection

field

/fi:ld/

FIFO

/ˈfaɪfəʊ/

English

file

/faɪl/

firewall

/'faɪəwɔ:l/

first normal form

flowchart

/'fləʊtʃɑ:t/

foreign key

/'fɒrən ki:/

function

/'fʌŋkʃn/

global variable

/'glɔːbl 'veəriəbl/

graphics processing unit

hash function

/hæʃ 'fʌŋkʃn/

hash table

/hæʃ 'teɪbl/

head

hexadecimal

/'heksə'desɪml/

immutable

/'ɪmjʊ:təbl/

implemented

in-order

inconsistency

index

/'ɪndeks/

infinite loop

/'ɪnfɪnət lu:p/

inheritance

/'ɪn'hertəns/

input

/'ɪnpʊt/

instance

/'ɪnstəns/

English

instance attribute

instantiation

/ˌɪnstænsɪ'eɪʃn/

integer division

/ˈɪntɪdʒə dɪ'vɪʒn/

interpreter

/ɪn'tɜːprɪtə/

interrupt

/ˈɪntərʌpt/

intersection

/ˌɪntə'sekʃn/

invalid data

IP address

/ˌaɪ 'piː ə'dres/

iteration

/ˌɪtə'reɪʃn/

join

/dʒɔɪn/

k-means clustering

k-nearest neighbour

label

/ˈleɪbl/

LAN

latency

/ˈleɪtənsi/

layer

leaf

LIFO

/ˈlaɪfəʊ/

linear probing

/ˈlɪniə 'prəʊbɪŋ/

linear regression

/ˈlɪniə rɪ'ɡresʃn/

linear search

/ˈlɪniə sɜːtʃ/

English

link table

/lɪŋk 'teɪbl/

linked list

/lɪŋkt list/

load factor

/ləʊd 'fæktə/

local variable

/'ləʊkl 'veəriəbl/

logic gate

/'lɒdʒɪk geɪt/

lossless

/'lɒsləs/

lossy

/'lɒsi/

MAC address

/mæk ə'dres/

machine code

/mə'si:n kəʊd/

machine learning

/mə'si:n 'lɜ:nɪŋ/

memory management

/'meməri 'mænɪdʒmənt/

method

/'meθəd/

mode

/məʊd/

model

/'mɒdl/

modularity

/,mɒdjʊ'lærɪti/

modulo

mutator

/mju:'teɪtə/

network

/'netwɜ:k/

node

/nəʊd/

normal data

/'nɔ:ml 'deɪtə/

English

normalisation

/ˌnɔːməlaɪˈzeɪʃn/

object

/'ɒbdʒekt/

operating system

/'ɒpəreɪtɪŋ 'sɪstəm/

output

/'aʊtpʊt/

overfitting

overflow

/ˌəʊvəˈfləʊ/

overloading

/ˌəʊvəˈləʊdɪŋ/

override

/ˌəʊvəˈraɪd/

packet

/'pækɪt/

packet switching

/'pækɪt 'swɪtʃɪŋ/

parameter

/pəˈræmɪtə/

pattern recognition

/'pætɪn ˌrekəg'nɪʃn/

peer-to-peer

/piə tə piə/

pixel

/'pɪksl/

pointer

/'pɔɪntə/

polling

polymorphism

/'pɒlɪmɔːfɪzəm/

post-order

pre-order

primary key

/'praɪməri kiː/

private

/'praɪvət/

English

process management

/ˈprəʊses ˈmænɪdʒmənt/

protocol

/ˈprəʊtəkəl/

pseudocode

/ˈsuːdəʊkəʊd/

public

queue

/kjuː/

quicksort

RAM

/ræm/

record

/ˈrekɔːd/

recursive case

/rɪˈkɜːsɪv keɪs/

recursive function

reference

/ˈrefrəns/

referential integrity

/ˌrefəˈrenʃl ɪnˈtegrɪti/

register

/ˈredʒɪstə/

regression

/rɪˈɡreʃn/

reinforcement learning

/ˌriːɪnˈfɔːsmənt ˈlɜːnɪŋ/

relational database

/rɪˈleɪʃənl ˈdeɪtəbeɪs/

return

/rɪˈtɜːn/

ROM

/rɒm/

root

/ruːt/

router

/ˈruːtə/

sample rate

/ˈsæmpl reɪt/

English

scheduler

/ˈʃedʒələ/

second normal form

secondary storage

/ˈsekəndəri ˈstɔːrɪdʒ/

selection

/sɪˈleɪʃn/

selection sort

/sɪˈleɪʃn sɔːt/

sequence

/ˈsiːkwəns/

set

/set/

singly linked

specification

/ˌspesɪfɪˈkeɪʃn/

SQL

/ˌes kjuː ˈel/

stack

/stæk/

stack overflow

/stæk ˌəʊvəˈfləʊ/

stakeholder

/ˈsteɪkhəʊldə/

state

/steɪt/

static

/ˈstætɪk/

static data structure

string

/strɪŋ/

subclass

/ˈsʌbklæs/

success criteria

/səkˈses kraɪˈtɪəriə/

superclass

/ˈsuːpəklæs/

supervised learning

/ˈsuːpəvaɪzd ˈlɜːnɪŋ/

English

switch

/swɪtʃ/

symmetric

/sɪ'metrɪk/

symmetric encryption

/sɪ'metrɪk en'krɪptʃn/

table

/'teɪbl/

test data

/test 'deɪtə/

test plan

/test plæn/

third normal form

throughput

/'θruːpʊt/

time slice

/taɪm sleɪs/

topology

/tə'pɒlədʒi/

trace table

/treɪs 'teɪbl/

training

/'treɪnɪŋ/

transaction

/træn'sækʃn/

traverse

/trə'veɜːs/

truth table

/truːθ 'teɪbl/

two's complement

/tuːz 'kɒmplɪmənt/

two-dimensional array

underflow

/ˌʌndə'fləʊ/

Unicode

/'juːnɪkəʊd/

union

/'juːniən/

English

unsupervised learning

/ʌn'su:pəvaɪzd 'lɜ:nɪŋ/

variable

/'veəriəbl/

VPN

/,vi: pi: 'en/

WAN

weight

/weɪt/
