

International Baccalaureate · IB Diploma · Computer Science · SL

Glossary · every term in the course, A–Z

English

abstract data type

/ˈæbstrækt ˈdeɪtə taɪp/

abstraction

/əbˈstrækʃn/

academic integrity

/ˌækəˈdemɪk ɪnˈtegrɪti/

acceptance test

/əkˈseptəns test/

accessor

/əkˈsesə/

accuracy

/ˈækjʊrəsi/

acknowledged

additional terminology

aggregate function

/ˈægrɪgeɪt ˈfʌŋkʃn/

AI tool

algorithm

/ˈælgərɪθəm/

algorithmic design

anonymised

arithmetic logic unit

/əˈrɪθmətɪk ˈlɒdʒɪk ˈjuːnɪt/

array

/əˈreɪ/

artificial intelligence

/ˌɑːtɪˈfɪʃl ɪnˈtelɪdʒəns/

asymmetric

/ˌeɪsɪˈmetrɪk/

asymmetric encryption

/ˌeɪsɪˈmetrɪk enˈkrɪpʃn/

English

attribute

/ˈætrɪbjʊt/

authentication

/ɔːθentɪˈkeɪʃn/

authorization

/ˌɔːθəraɪˈzeɪʃn/

bandwidth

/ˈbəndwɪð/

behaviour

bias

/ˈbaɪəs/

Big O notation

binary

/ˈbɪnəri/

binary search

/ˈbɪnəri sɜːtʃ/

bit

/bɪt/

boundary case

/ˈbaʊndəri keɪs/

boundary data

/ˈbaʊndəri ˈdeɪtə/

boundary test

/ˈbaʊndəri test/

bubble sort

/ˈbʌbl sɔːt/

bus

/bʌs/

byte

/baɪt/

cache

/kæʃ/

case study

/keɪs ˈstʌdi/

casting

/ˈkæstɪŋ/

central processing unit

/ˈsentrəl ˈprəʊsesɪŋ ˈjuːnɪt/

class

/klæs/

English

classification

/ˌklæsɪfɪˈkeɪʃn/

client–server

clock speed

/klɒk spiːd/

cloud computing

/klaʊd kəmˈpjʊːtɪŋ/

colour depth

/'kʌlə depθ/

command term

composite key

/'kɒmpəzɪt kiː/

compression

/kəmˈpreʃn/

computational solution

/ˌkɒmpjuːˈteɪʃənəl səˈluːʃn/

concatenation

/kənˌkætəˈneɪʃn/

constant

/'kɒnstənt/

constructor

/kənˈstrʌktə/

control unit

/kənˈtrəʊl ˈjuːnɪt/

core

/kɔː/

data leakage

/'deɪtə ˈliːkɪdʒ/

data redundancy

/'deɪtə rɪˈdʌndənsi/

data type

/'deɪtə taɪp/

database

/'deɪtəbeɪs/

database management

system

/'deɪtəbeɪs ˈmænɪdʒmənt ˈsɪstəm/

debugger

/'diːbʌgə/

English

decomposition

/ˌdi:kɒmpəˈzɪʃn/

deep learning

/di:p ˈlɜ:nɪŋ/

DHCP

/ˌdi: eɪtʃ si: ˈpi:/

digital certificate

/ˈdɪdʒɪtl səˈtɪfɪkət/

DNS

/ˌdi: en ˈes/

driver

/ˈdraɪvə/

dynamic data structure

encapsulation

/ɪnˌkæpsjəˈleɪʃn/

encryption

/enˈkrɪpʃn/

end user

entity

/ˈentɪti/

entity-relationship diagram

/ˈentɪti rɪˈleɪʃənʃɪp ˈdaɪəgræm/

evaluation

/ɪˌvæljuːˈeɪʃn/

exception

/ekˈsepʃn/

field

/fi:ld/

FIFO

/ˈfaɪfəʊ/

file

/faɪl/

firewall

/ˈfaɪəwɔ:l/

first normal form

flowchart

/ˈfləʊtʃɑ:t/

English

foreign key

/ˈfɒrən kiː/

function

/ˈfʌŋkʃn/

global variable

/ˈglɔːbl ˈveəriəbl/

graphics processing unit

hexadecimal

/ˌheksəˈdesɪml/

immutable

/ɪˈmjʊːtəbl/

inconsistency

index

/ˈɪndeks/

infinite loop

/ˈɪnfaɪt luːp/

input

/ˈɪnpʊt/

instance

/ˈɪnstəns/

instance attribute

instantiation

/ˌɪnstæŋʃiˈeɪʃn/

integer division

/ˈɪntɪdʒə dɪˈvɪʒn/

interrupt

/ˈɪntərʌpt/

invalid data

IP address

/ˌaɪ ˈpiː əˈdres/

iteration

/ˌɪtəˈreɪʃn/

join

/dʒɔɪn/

LAN

latency

/ˈleɪtənsi/

English

layer

LIFO

/ˈlaɪfəʊ/

linear search

/ˈlɪnɪə sɜːtʃ/

link table

/lɪŋk ˈteɪbl/

local variable

/ˈləʊkl ˈveəriəbl/

logic gate

/ˈlɒdʒɪk ɡeɪt/

lossless

/ˈlɒsləs/

lossy

/ˈlɒsi/

MAC address

/mæk əˈdres/

machine learning

/məˈʃiːn ˈlɜːnɪŋ/

memory management

/ˈmeməri ˈmænɪdʒmənt/

method

/ˈmeθəd/

mode

/məʊd/

model

/ˈmɒdl/

modularity

/ˌmɒdjʊˈlærɪti/

modulo

mutator

/mjuːˈteɪtə/

network

/ˈnetwɜːk/

normal data

/ˈnɔːml ˈdeɪtə/

normalisation

/ˌnɔːməlaɪˈzeɪʃn/

English

object

/ˈɒbdʒekt/

operating system

/ˈɒpəreɪtɪŋ ˈsɪstəm/

output

/ˈaʊtpʊt/

overfitting

overflow

/ˌəʊvəˈfləʊ/

packet

/ˈpækɪt/

packet switching

/ˈpækɪt ˈswɪtʃɪŋ/

parameter

/pəˈræmɪtə/

pattern recognition

/ˈpætn ˌrekəɡˈnɪʃn/

peer-to-peer

/piə tə piə/

pixel

/ˈpɪksl/

polling

primary key

/ˈpraɪməri kiː/

private

/ˈpraɪvət/

process management

/ˈprəʊses ˈmænɪdʒmənt/

protocol

/ˈprəʊtəkʊl/

pseudocode

/ˈsuːdəʊkəʊd/

public

RAM

/ræm/

record

/ˈrekɔːd/

reference

/ˈrefrəns/

English

referential integrity

/ˌrefə'renʃl ɪn'tegriti/

register

/'redʒɪstə/

regression

/rɪ'ɡresʃn/

reinforcement learning

/ˌriːɪn'fɔːsmənt 'lɜːnɪŋ/

relational database

/rɪ'leɪʃənl 'deɪtəbeɪs/

return

/rɪ'tɜːn/

ROM

/rɒm/

router

/'ruːtə/

sample rate

/'sæmpl reɪt/

scheduler

/'ʃedʒələ/

second normal form

secondary storage

/'sekəndəri 'stɔːrɪdʒ/

selection

/sɪ'lekʃn/

selection sort

/sɪ'lekʃn sɔːt/

sequence

/'siːkwəns/

specification

/ˌspesɪfɪ'keɪʃn/

SQL

/ˌes kjuː 'el/

stakeholder

/'steɪkhəʊldə/

state

/steɪt/

static

/'stætɪk/

English

static data structure

string

/striŋ/

success criteria

/sək'ses kraɪ'tɪərɪə/

supervised learning

/'su:pəvaɪzd 'lɜ:nɪŋ/

switch

/swɪtʃ/

symmetric

/sɪ'metrɪk/

symmetric encryption

/sɪ'metrɪk en'krɪpʃn/

table

/'teɪbl/

test data

/test 'deɪtə/

test plan

/test plæn/

third normal form

throughput

/'θru:pʊt/

time slice

/taɪm slɑɪs/

topology

/tə'pɒlədʒi/

trace table

/treɪs 'teɪbl/

training

/'treɪnɪŋ/

transaction

/træn'sækʃn/

truth table

/tru:θ 'teɪbl/

two's complement

/tu:z 'kɒmplɪmənt/

two-dimensional array

underflow

/ˌʌndə'fləʊ/

English

Unicode

/ˈjuːnɪkəʊd/

unsupervised learning

/ʌnˈsuːpəvaɪzd ˈlɜːnɪŋ/

variable

/ˈveəriəbl/

VPN

/ˌviː piː ˈen/

WAN
