

Data Packet

Header

Source IP address
Destination IP address
Protocol
Packet number
Total length
Time to live (TTL)
Checksum

Data

Footer

End of Packet
Error Correction

Data Packet

Header

Source IP address (Your computer number in 5 bit binary)
Destination IP address (Your recipient's computer number in 5 bit binary):_____
Protocol: TCP/IP
Packet number:_____
Total length:_____
Time to live (TTL):10
Checksum:01101111110011110

Payload /message:



Footer

End of Packet
Error Correction

class

car

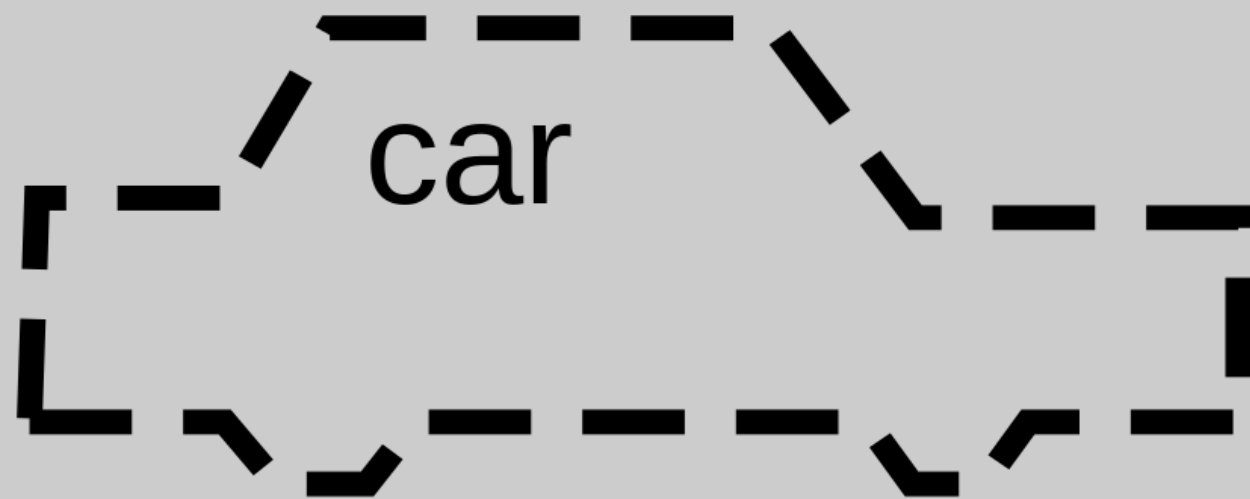
methods

refuel() getFuel()
setSpeed() getSpeed()
drive()

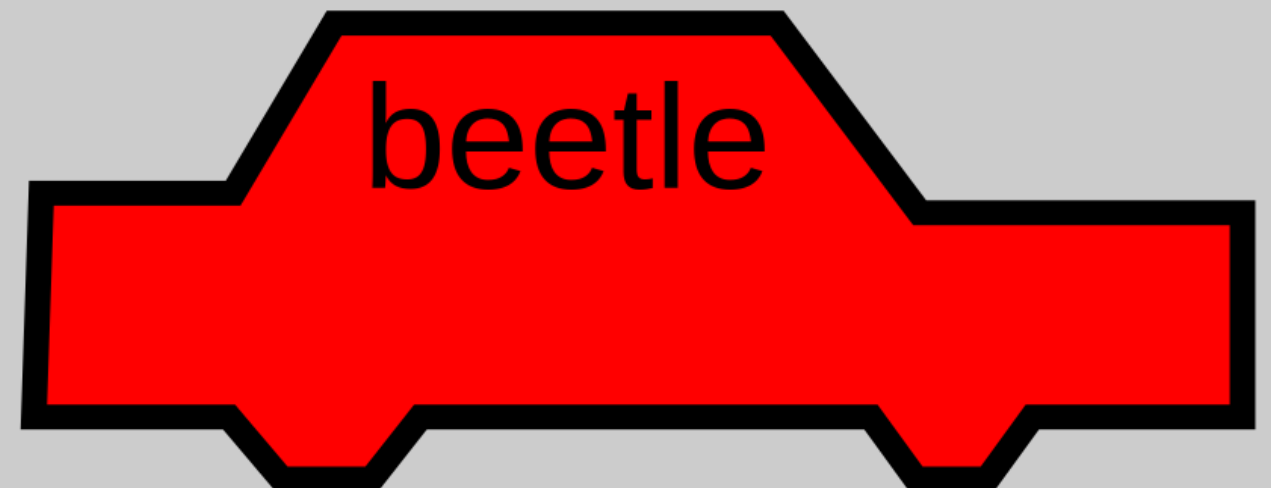
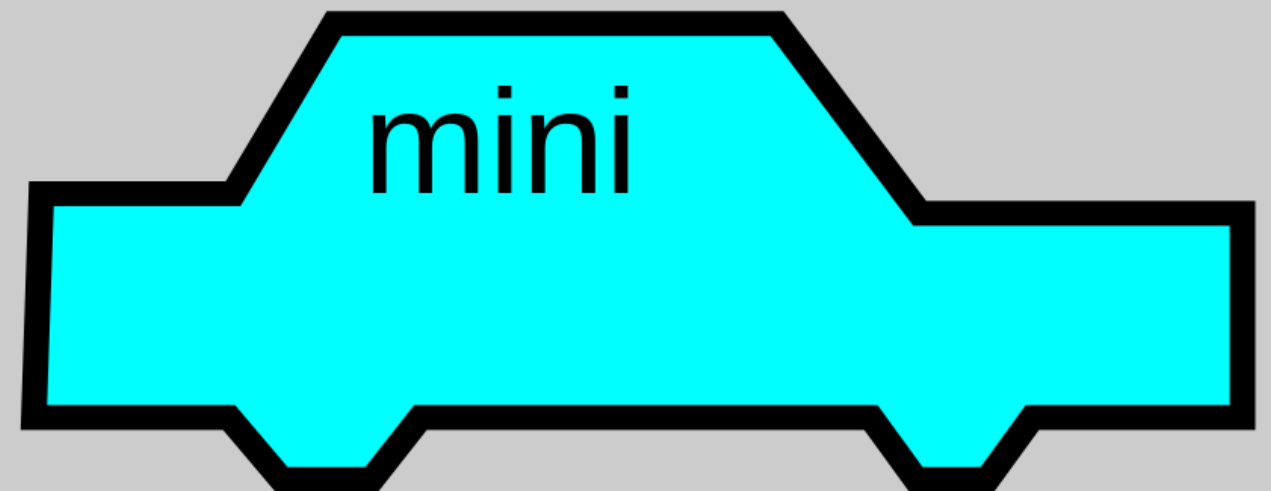
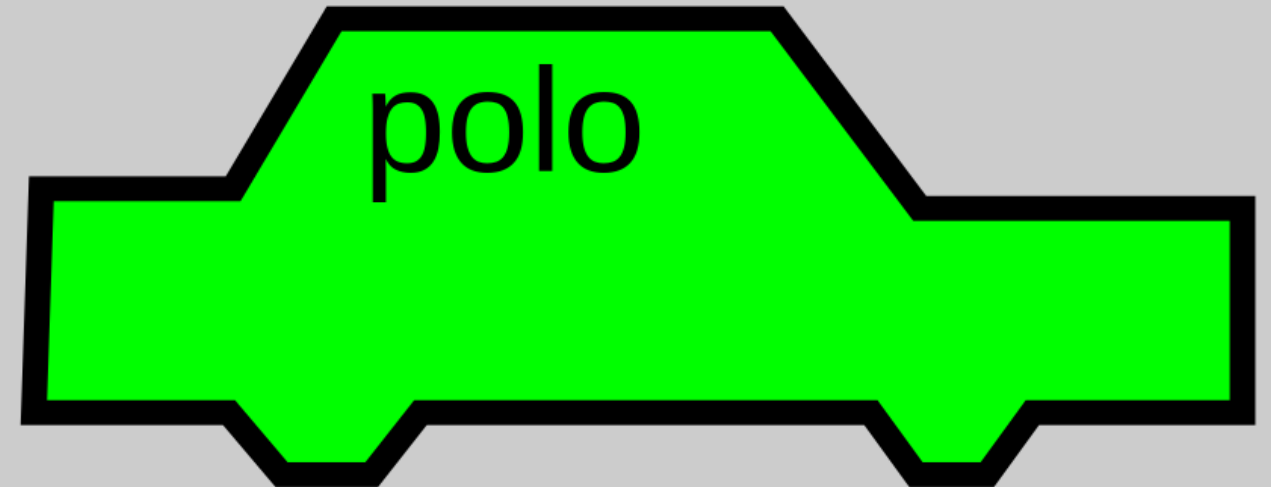
attributes

fuel
maxspeed

class



objects



Hexadecimal

5F



Binary

0101 | 1111

128 64 32 16 8 4 2 1
01011111



Decimal

95

machine instruction

ADD # 45

ADD #

45

opcode

operand

ADD

#

operation

addressing
mode

Network Layers

TCP/IP Layer	Protocols			
Application	HTTP	SMTP	POP	FTP
Transport	TCP			
Internet	IP			
Data Link	Ethernet			

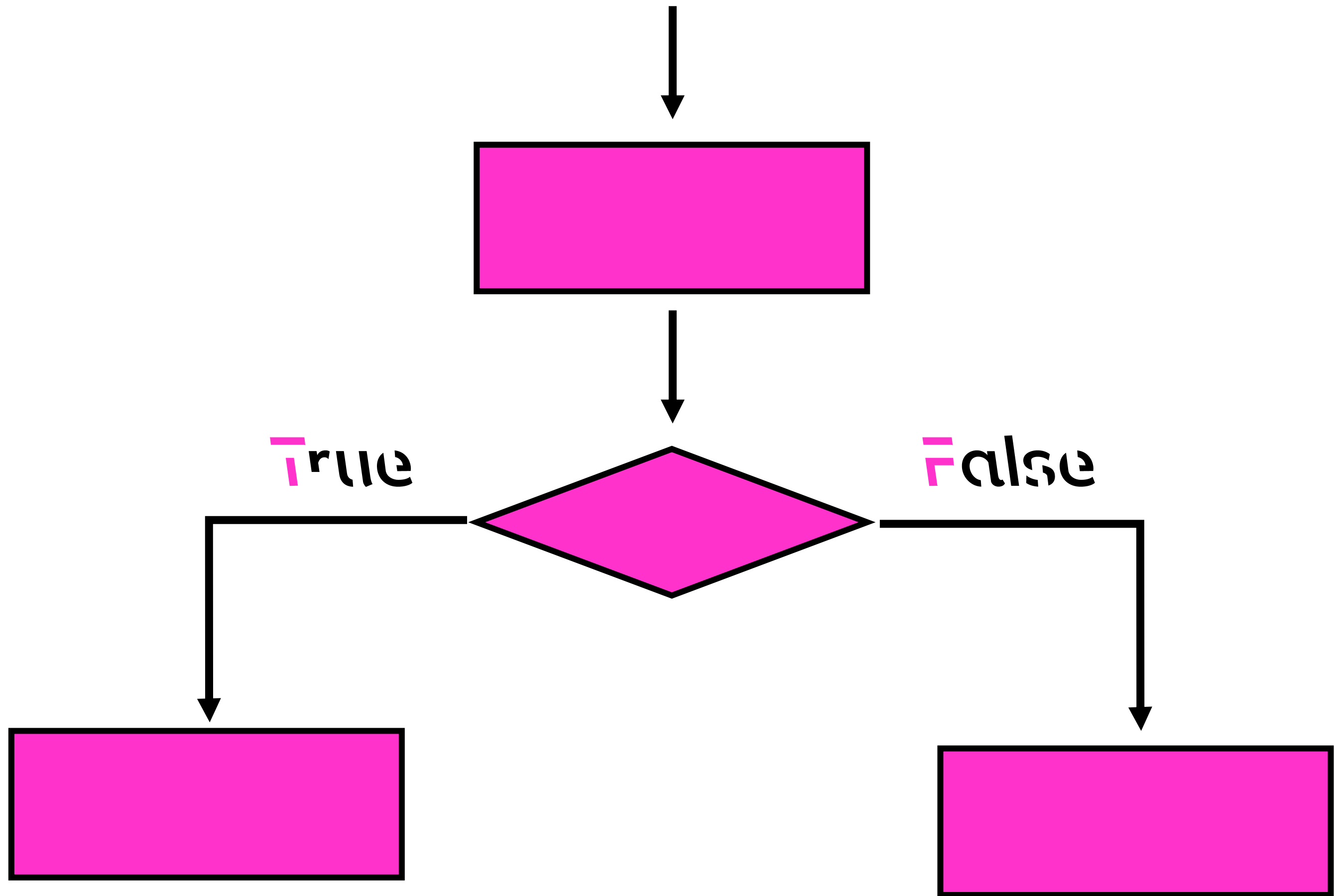
Programming

Constructs

Sequence



Selection



Iteration

