



Ch6: More on Python

Q1 Define the following :

- a) Strings b) List c) Operators

Q2 Write the output of the following, if a=12 and b=4

- a) `x=a+b`

`print(x)`

- b) `z=a%b`

`print(z)`

- c) `print(a//b)`

Q3 Write the python command/statement python to display: a) Your name , b) 12

Q4 Which statement will be used to do the following:

- a) to compare any two numbers
b) to find out if the student is eligible for scholar batch or not based on several multiple conditions.

Ch 7: AI Terminologies

Q1 Write a short note on : a)HMI b) Voice user Interface.

Q2 Write the usage of the following:

- a) Gaming joystick b) Google voice search App

Ch8 : Type of AI

Q1 Write three subsets of AI.

Q2 Write atleast one characteristics of all three types of AI.

Ch 9 : Smart Living

Q1 How does face recognition works?

Q2 Write any four areas where AI powered face recognition is being used.

Q3 List four benefits of smart home.

Q4 What is the advantage of smart doorbell?

Q5 Your father is concerned about the security of the house and potential criminal activity.

Mention any two technology tools he can use for safety.

Ch10:Fields where Robots are used

Q1 Name the following:

- a) World's first collision-tolerant flying robot
- b) A humanoid robot of Singapore which can recognize people from the database of their previous visits.
- c) Chef robot that can prepare Japanese food.
- d) A robot constructed for maintenance and repair projects in space.

Q2 Name few Robots which are useful in agriculture.

Q3 Mention some advantages of Robots in the field of military.

Multiple Choice Questions

Circle the correct answer:

- a) ____ operators are used to compare the value of the two operands and returns True or False accordingly.
 - i) Relational
 - ii) Mathematical
 - iii) Comments
 - iv) statement

- b) ____ are special symbols which perform arithmetic and logical computation.
 - i) Operators
 - ii) Variables
 - iii) Comments
 - iv) statement

- c) Menu driven interface lets its user to interact using ____
 - i) commands
 - ii) screen/menu
 - iii) both (i) & (ii)
 - iv) None of these

- d) ____ is known as father of wearable computing.
 - i) Steve Mann
 - ii) Dexmo
 - iii) Dr Kodama
 - iv) None of these

- e) Used by ships to transfer sonar and radar data to and from one another.
 - i) DATAR
 - ii) Seiko
 - iii) WII
 - iv) CCTV

- f) ____ robots are being helpful in bringing ecological balance in ocean.
 - i) Underwater
 - ii) Agriculture
 - iii) Flyability
 - iv) Milkbot