



INDIAN SCHOOL AL WADI AL KABIR

Class: 11th (CS)	Department: Computer Science	Date of submission: 12-05-2023
Worksheet No: 4	Topic: Python fundamentals & Data handling	Note: Execute the programs in the lab

1. What is the difference between a keyboard and an identifier?
2. Explain the different types of integer literals with examples.
3. How can you create multi-line strings in python?
4. What is the difference between an expression and a statement in Python?
5. What do you understand by the term 'immutable'?
6. What is the difference between the following statements?
 - i) `Number = input("Enter a Number ? ")`
 - ii) `Number = eval(input("Enter a Number ? "))`
7. What will be the output of following code?

```
x, y = 25, 50
x, y = y, x+2
print(x, y)
```
8. Predict the output of following code:

```
x, y = 10, 15
x, y, x= x+1, y+3, x+10
print(x, y)
```
9. If the value of A=0,B=10,C=2,D=4
 - a) $P=A+B-C*2+D/2$
 - b) $M= A+B+D*4+C**3$
 - c) $M=(A+B)+(D*4)+(C**3)$
10. Write a Python program to input mark in 5 subjects and outputs average marks.
11. Write a Python program to input a number n and print n², n³ n⁴.
12. Write a Python program to compute simple interest and compound interest.
13. Write a Python program to find area of a triangle.
14. Write a Python program to input the height in centimeters and then converts it into feet and inches.
(1 foot = 12 inches, 1 inch = 2.54 cm)
15. Write a Python program to input radius of a circle and print its area.

16. Write a Python program to input the salary of an employee and find the bonus.
(Bonus = 30 % of salary)
17. Write a Python program that reads a number of seconds and print it in form : mins and seconds.
18. Develop a Python program to calculate the BMI of a person.
BMI=kg/meter². Read the required details
19. Code in Python to obtain temperature in Celsius to Fahrenheit using the formula
 $^{\circ}\text{C} * 9/5 + 32 = ^{\circ}\text{F}$
20. Find out the error in the following code fragment(if the input is i) XI ii)12.0)
C=int(input("enter your class"))
print("your class is",C)