



INDIAN SCHOOL AL WADI AL KABIR

Class: 11th (CS)	Department of Computer Science	Date of submission:
Worksheet No: 04	Topic: Python fundamentals & Data handling	Note:

1. What is the difference between a keyword 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. Guess the output
a) -15%2 b) 6%-3 c) -21%4 d) 17% -4 e) 3%6 f) 11%2
10. Guess the output
a) -15/2 b) 6/-3 c) -21/4 d) 17/-4 e) 3/6 f) 11/2
11. Guess the output
a) -15//2 b) 6//-3 c) -21//4 d) 17//-4 e) 3//6 f) 11//2
12. Hierarchy of operators:

If the values are X=True , Y=True , Z=False

a) X or Y and (not Z)

- b) X and Z or Y
- c) Z or X and not X

13. 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) $M=(A+B)+(D*4)+(C**3)$

14. Write a Python program to input mark in 5 subjects and outputs average marks.

15. Write a Python program to input a number n and print n^2, n^3, n^4 .

16. Write a Python program to compute simple interest and compound interest.

17. Write a Python program to find area of a triangle.

18. 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)

19. Write a Python program to input radius of a circle and print its area.

20. Write a Python program to input the salary of an employee and find the bonus.

(Bonus = 30 % of salary)

21. Write a Python program that reads a number of seconds and print it in form : mins and seconds.