INDIAN SCHOOL AL WADI AL KABIR

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| **Class: 11th (IP)** | **Department of Computer Science** | **Date of submission:** |
| **Worksheet No: 3** | **Topic: Python fundamentals &**  **Data handling** | **Note: Solve these programs in the lab** |

1. What is the difference between a keyword and an identifier?

2. Explain the different types of literals with examples.

3. What is the difference between the following statements?

i) Number = input(“Enter a Number ? “)

ii) Number = int (input (“Enter a Number? “)

4. What will be the output of following code?

x, y = 25, 50

x, y = y, x+2

print(x, y)

5. Predict the output of following code:

x, y = 10, 15

x, y, x= x+1, y+3, x+10

print(x, y)

6. Guess the out put

a)15.0%2 b)6%3 c) 21%4 d)17% 4 e)3.0%6 f) 11%2

7. Guess the output

a)15.0/2 b) 6/3 c)21/4 d) 17/4 e)3/6 f)11/2

8. Guess the output

a) 15.0//2 b)6//3 c)21//4 d)17//4 e)3//6 f)11//2

9. 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

10. 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)

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

12. Write a Python program to input a number n and print n2, n3 n4.

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

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

15. 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)

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

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

(Bonus = 30 % of salary)

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