

Python Test-2

Q1. Write a Python program to print the number 20. **{Use a variable to store the number}**

Q2. Print the data type of the given variable:

```
a_var = 124
b_var = 234.98
c_var = 'hello world'
d_var = True
```

Q3. Write a Python program to

- 1. Add two numbers 110 and 123.
- 2. Subtract 213 from 1200.
- 3. Multiply 10 with 5.
- 4. Divide 12 by 3.
- 5. Finding the value of 3^5 .
- 6. Find the value of $\sqrt{144}$.
- 7. Find the remainder of dividing 5 by 2.

Q4. Write a Python program that prints whether the man is an adult, kid or teenager.

- If the age is greater than 18 then it's an adult
- If the age is less than 18 and the age is greater than 12 then it's a teenager
- If the age is less than 12 then it's a kid.

Q5. Write a Python program that prints **"Hello Poul how are you !!!"**.

Q6. Write a Python program that typecasts the variable.

```
a = "123"           string into int
b = 123.435         float to int
c = 21              int to string
```

Also prints the variable type after typecasting each variable.

Q7. Write a Python program that prints the discounted price, after discounting 10% of your purchase.

The purchase amount is **300 rupees**.

Q8. Write a Python program that prints the user input. Takes value from the user:

1. Take integer value and print.
2. Take string value and print.
3. Take float value and print.

Q9. Write a Python program that prints all the values of the given list

```
mlist = [12, 34, 55, '12', 'show', 1111, 12, 43]
```

Q10. Write a Python program that prints numbers from 3 to 25.

Q11. Write a Python program to perform list operations for the given list.

```
mlist = [12, 34, 55, '12', 'show', 1111, 12, 43]
```

1. Pop an element '12' from the list.
2. Remove the element 'show' from the list.
3. Find the length of the list.
4. Sort the list.
5. Append a value of 12500 to the list.
6. Add a value 'Max' to the list.