

Course Name: Python Programming with Django

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Assignment- 01.

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Problem-1:

Ques 1. Declare a variable named integer_number of the data type int that is assigned the value 404.

Ans: int_num = 404

```
print("int num – ", int_num)
```

Ques 2. Secondly, declare a variable named float_number of the data type float that is assigned the value 575.404

Ans: float_num = 575.404

```
print("float num – ", float_num)
```

Ques 3. Convert the variable value from data type int to data type float. Save the new variable to a new variable integer_float_number

Ans: int_num = 100

```
convert_float_from_int = float(int_num)
```

```
Print("int_float_num – ", convert_float_from_int)
```

Ques 4. Sum the variable integer_number and integer_float_number and assign the value to a new variable which is assigned the name sum_two_number of type float.

Ans: int_num = 50

float_num = 75.5

```
sum = float(int_num + float_num)
```

```
print("sum_two_number – ", sum)
```

Ques 5. Print the result of sum_two_number

Ans:

```
num1 = 30
```

```
num2 = 50
```

```
sum = num1 + num2
```

```
print(sum)
```

Problem 2:

Ques 6. What is variable and data type in Python?

Ans: Variables are containers for storing data values.

Ques 7. Is python a case-sensitive language? [Yes/No]

Ans: Yes.

Ques 8. In Python, a variable may be assigned a value of one type, and then later assigned a value of a different type? [True/False]

Ans: True.

Ques 9. What are the common built-in data types in Python?

Ans: Built-in data types are: int, float, complex, list, tuple, range.

Ques 10. Write a Python program that prints the "Hello World!"

Ans:

```
print("Hello World!")
```

Ques 11. What is Python? What are the benefits of using Python?

Ans: Python is a high level programming language. It is easy to read, write and learn. Python is very productive language, interpreted language, free and open source.

Ques 12. Write a Python program that takes your name as input and prints the name.

Ans:

```
name = input('What is your name? ')
```

```
print("Hi" , name)
```