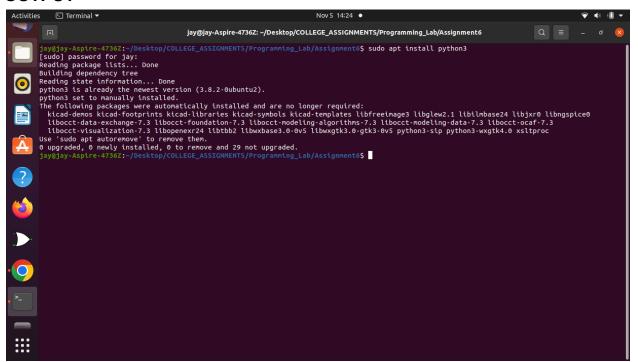
Programming Lab - 1 Assignment - 6

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1. Install latest python version on your system (visit https://www.python.org/site)



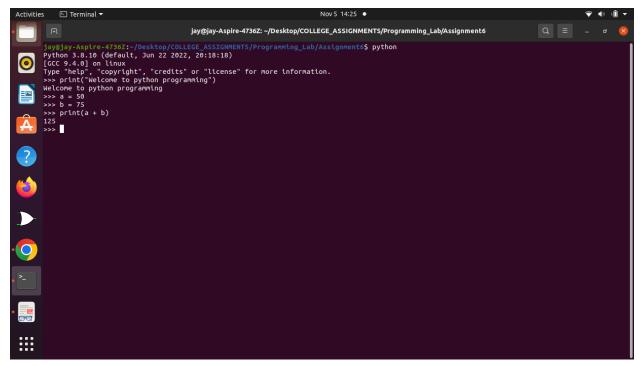
2.Using python command prompt try to execute below statements one by one

print("Welcome to python programming")

a = 50

b = 75

print(a+b)



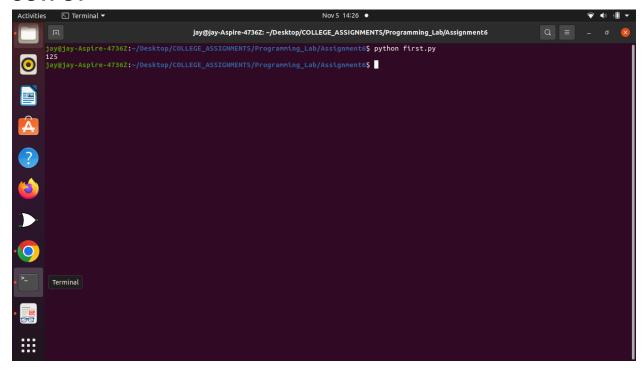
3. Write above program in text editor and save file named first.py execute the code.

CODE -

a = 50

b = 75

print(a + b)



4. Write a python program to assign value to a variable of following data type

also print its values along with its data type.

- a) Numbers
- b) List
- c) Tuple
- d) Byte
- e) Bytearray
- f) Set
- g) Frozenset
- h) Dictionary

CODE -

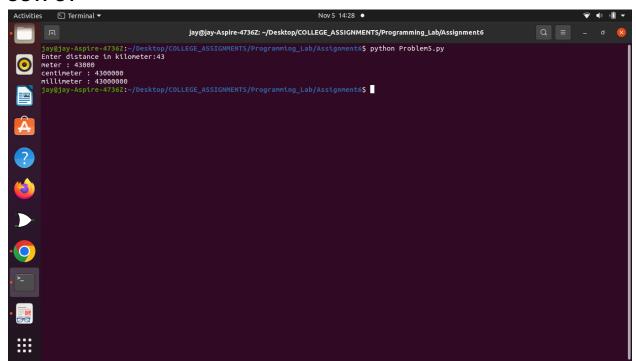
```
# a - Number
#b-List
#c-Tuple
# d - Byte
# e - Bytearray
#f-Set
# g - Frozenset
# h - Dictionary
a = 343
b = [3, 3, 1, 5, 45, "Hello World", 43.43, [3, 3, 4]]
c = (3, 4, 2, 4)
d = b'4334'
e = bytearray(b'aaccdd34')
f = \{3, 4, 2, 3, 3, 4, 5\}
g = frozenset([4, 3, 42, 43, 2])
h = {"name":"Jay Shirgupe", "class":"CSE", "College":"Walchand College of Engineering,
Sanglie"}
for elem in [a, b, c, d, e, f, g, h]:
  print(type(elem), elem, sep = '\n')
  print()
```



5. Write a program to convert Km into meters, centimeters and millimeter using python.

CODE -

```
km = int(input("Enter distance in kilometer:"))
meter = km * 1000
centimeter = meter * 100
millimeter = centimeter * 10
print("meter:", meter)
print("centimeter:", centimeter)
print("millimeter:", millimeter)
```



6. Write a program to insert details from user (Height, weight) and display BMI value.

CODE -

height = float(input("Enter height in m:"))
weight = float(input("Enter weight in kg:"))
bmi = weight / (height * height)
print("BMI : ", bmi)

