Assignment -1

Python Programming

Assignment Date	01.10.2022
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Maximum Marks	2 Marks

Question-1:

Write a Python program to empty a variable without destroying it.

Sample data: n=20

d = {"x":200}

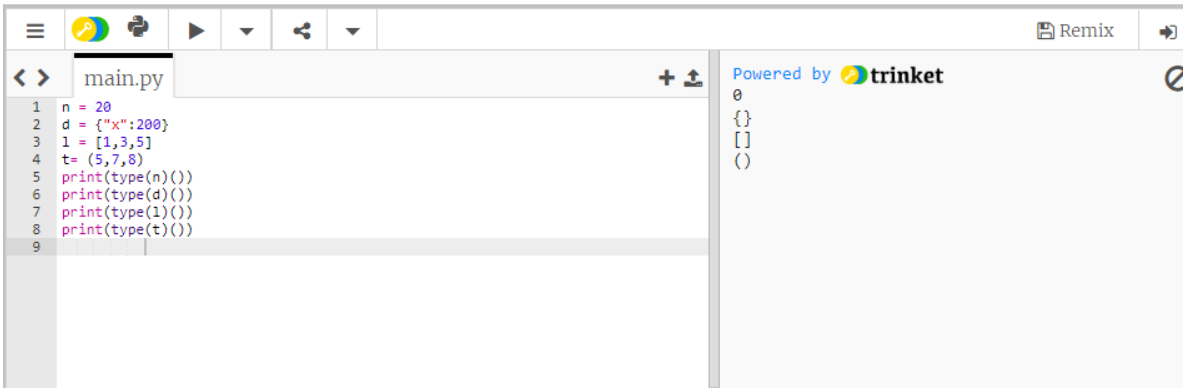
Expected Output : 0

{}

Solution:

```
n = 20

d = {"x":200}

l = [1,3,5]

t= (5,7,8)

print(type(n)())

print(type(d)())

print(type(l)())

print(type(t)())
```

Output:



Question-2:

Write a Python program to determine the largest and smallest integers, longs, floats.

Solution:

```
import sys

print("Float value information: ",sys.float_info)

print("\nInteger value information: ",sys.int_info)

print("\nMaximum size of an integer: ",sys.maxsize)
```

Output:

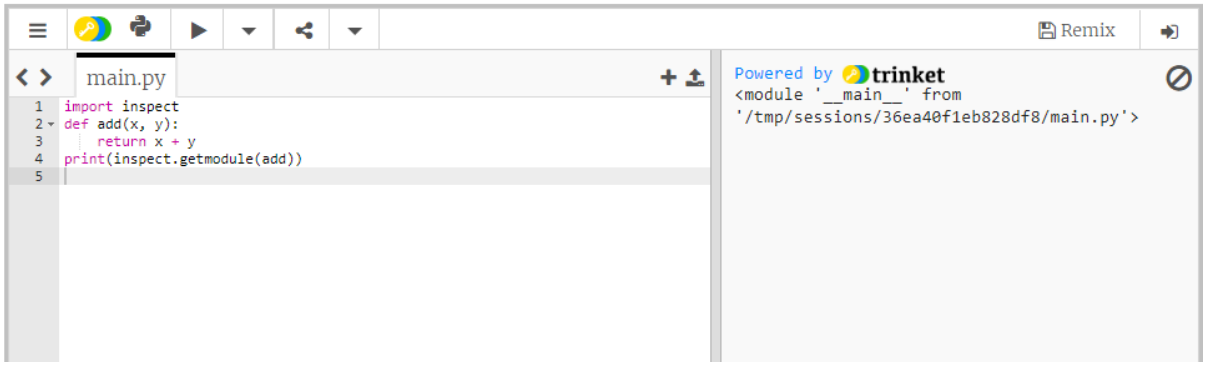
Question-3:

Write a Python program to get the actual module object for a given object.

Solution:

```
from inspect import getmodule
from math import sqrt
print(getmodule(sqrt))
```

Output:

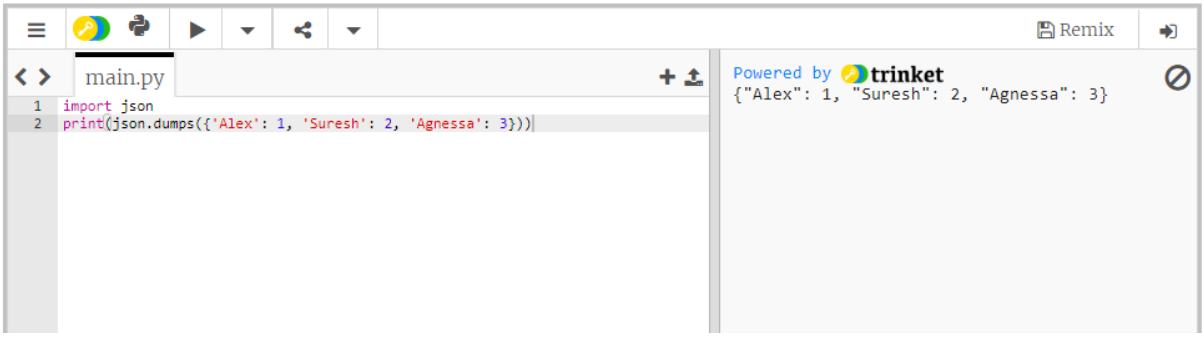


Question-4:
Write a Python program to use double quotes to display strings

Solution:

```
import json
print(json.dumps({'Alex': 1, 'Suresh': 2, 'Agnessa': 3}))
```

Output:



Question-5:
Write a Python program to find files and skip directories of a given directory.

Solution:

```
import os

print([f for f in os.listdir('/home/students') if os.path.isfile(os.path.join('/home/students', f))])
```

Output: