

# ASSIGNMENT-6

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## OUTPUT OF PROGRAM 1:

```
IDLE Shell 3.10.4
File Edit Shell Debug Options Window Help
Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v.1929 64 b
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/HP/program1.py =====
Enter a number: 86
The number is not Perfect
>>>
===== RESTART: C:/Users/HP/program1.py =====
Enter a number: 6
The number is Perfect
>>>
===== RESTART: C:/Users/HP/program1.py =====
Enter a number: 496
The number is Perfect
>>> |
```

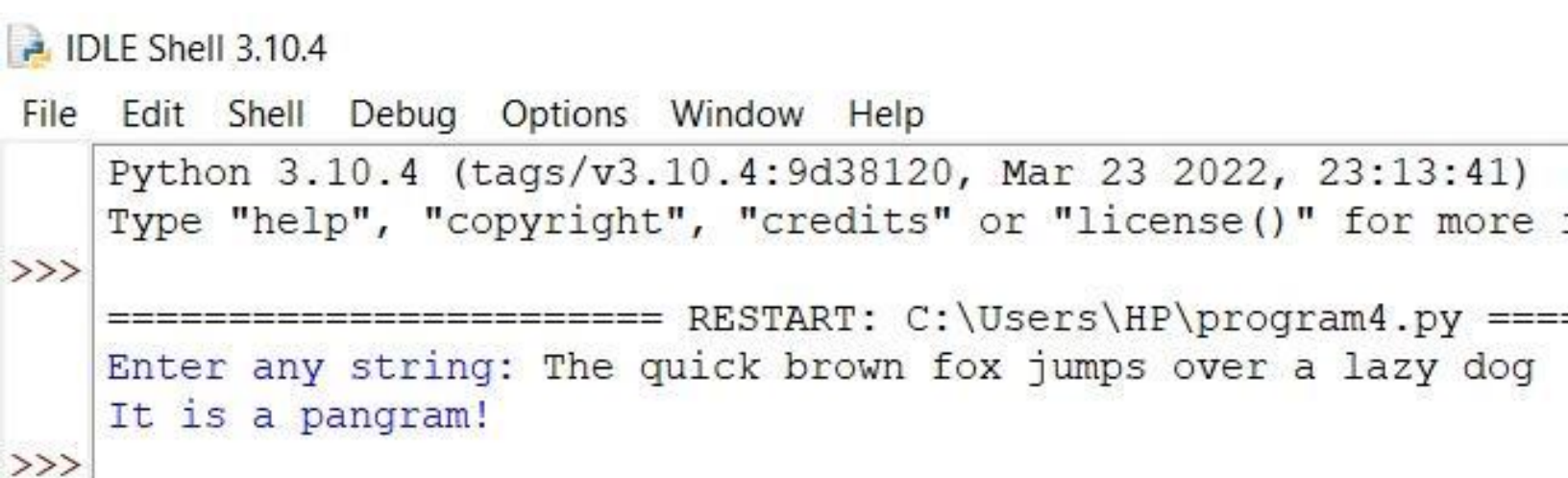
## OUTPUT OF PROGRAM 2:

```
Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v.1929]
Type "help", "copyright", "credits" or "license()" for more information
>>>
===== RESTART: C:/Users/HP/program2.py =====
Enter any string: level
level is a Palindrome
>>>
===== RESTART: C:/Users/HP/program2.py =====
Enter any string: simran
simran is not a Palindrome
>>>
===== RESTART: C:/Users/HP/program2.py =====
Enter any string: redivider
redivider is a Palindrome
>>>
```

## OUTPUT OF PROGRAM 3

```
Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSI64]
Type "help", "copyright", "credits" or "license()" for more
>>>
===== RESTART: C:\Users\HP\program3.py =====
Enter number of rows: 5
      1
     1 1
    1 2 1
   1 3 3 1
  1 4 6 4 1
None
>>> |
```

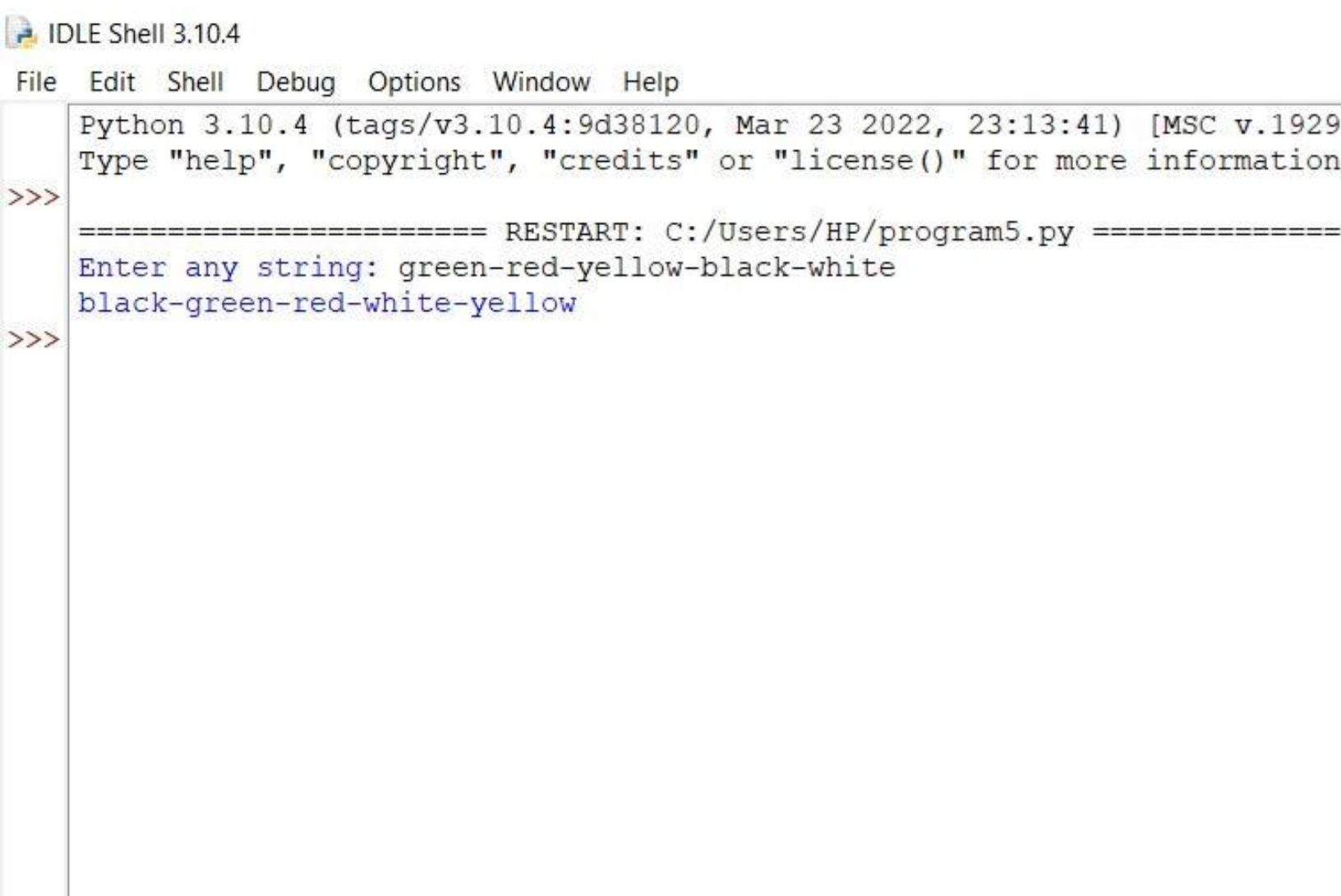
## OUTPUT OF PROGRAM 4



The image shows a screenshot of the Python IDLE Shell 3.10.4 window. The title bar reads 'IDLE Shell 3.10.4'. The menu bar includes 'File', 'Edit', 'Shell', 'Debug', 'Options', 'Window', and 'Help'. The shell area displays the following text: 'Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41)' and 'Type "help", "copyright", "credits" or "license()" for more :'. A prompt '>>>' is followed by a restart message: '==== RESTART: C:\Users\HP\program4.py ==='. Then, the input 'Enter any string: The quick brown fox jumps over a lazy dog' is shown, followed by the output 'It is a pangram!'. Another prompt '>>>' is visible at the bottom.


```
Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41)
Type "help", "copyright", "credits" or "license()" for more :
>>>
==== RESTART: C:\Users\HP\program4.py ====
Enter any string: The quick brown fox jumps over a lazy dog
It is a pangram!
>>>
```

# OUTPUT OF PROGRAM 5

A screenshot of the IDLE Shell 3.10.4 interface. The window title is "IDLE Shell 3.10.4". The menu bar includes "File", "Edit", "Shell", "Debug", "Options", "Window", and "Help". The shell area shows the following text: "Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v.1929 Type 'help', 'copyright', 'credits' or 'license()' for more information". Below this, there are three lines of input from the user, each preceded by a prompt ">>>". The first line is "==== RESTART: C:/Users/HP/program5.py =====", the second is "Enter any string: green-red-yellow-black-white", and the third is "black-green-red-white-yellow".

```
IDLE Shell 3.10.4
File Edit Shell Debug Options Window Help
Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v.1929
Type "help", "copyright", "credits" or "license()" for more information
>>>
==== RESTART: C:/Users/HP/program5.py =====
Enter any string: green-red-yellow-black-white
black-green-red-white-yellow
>>>
```

# OUTPUT OF PROGRAM 6

 IDLE Shell 3.10.4

File Edit Shell Debug Options Window Help

Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v.1929 64 bit  
Type "help", "copyright", "credits" or "license()" for more information.

>>>

===== RESTART: C:\Users\HP\program6.py =====

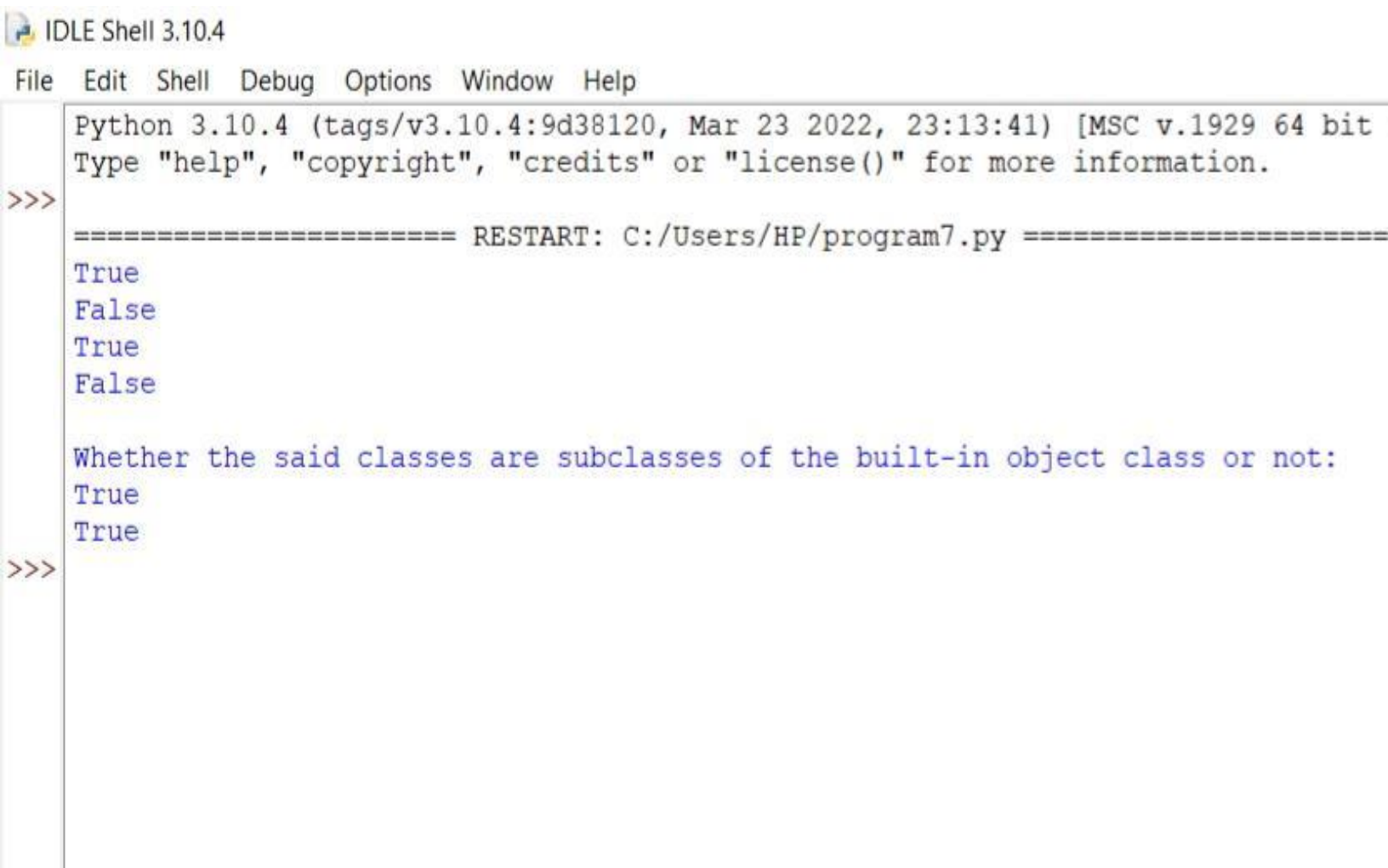
Student ID: 2005693  
Student Name: Sarah

Student ID: 2005693  
Student Name: Sarah

Student Name: Sarah  
Student Class: VII

>>> |


# OUTPUT OF PROGRAM 7



The screenshot shows the IDLE Shell 3.10.4 interface. The title bar reads 'IDLE Shell 3.10.4'. The menu bar includes 'File', 'Edit', 'Shell', 'Debug', 'Options', 'Window', and 'Help'. The main text area displays the following content:

```
Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v.1929 64 bit  
Type "help", "copyright", "credits" or "license()" for more information.  
>>>  
===== RESTART: C:/Users/HP/program7.py =====  
True  
False  
True  
False  
  
Whether the said classes are subclasses of the built-in object class or not:  
True  
True  
>>>
```

## OUTPUT OF PROGRAM 8

 IDLE Shell 3.10.4

File Edit Shell Debug Options Window Help

```
Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v
Type "help", "copyright", "credits" or "license()" for more inform
>>>
===== RESTART: C:/Users/HP/program8.py =====
[[-10, 2, 8], [-7, -3, 10]]
>>> |
```



## OUTPUT OF PROGRAM 9



The image shows a screenshot of the Python IDLE Shell 3.10.4 window. The title bar reads "IDLE Shell 3.10.4". The menu bar includes "File", "Edit", "Shell", "Debug", "Options", "Window", and "Help". The shell area displays the following text:

```
Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 2
Type "help", "copyright", "credits" or "license()"
>>>
===== RESTART: C:/Users/HP/progra
True
False
True
False
>>>
```