

## BSDS Guidelines + Homework 1

1. Download Python from:
  - a. <https://forms.gle/hPMkjiuAmFjMWHLS6>
  - b. <https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwiAtZHP25P8AhWvQvEDHVhZCwkQFnoECCIQAQ&url=https%3A%2F%2Fpython.en.softonic.com%2Fdownload&usg=AOvVaw2eMEN8ftinlII3TI1xnOOV>
2. If you have any problem in downloading or installation, you may use online-c compiler from following websites:
  - a. <https://www.online-python.com/>
  - b. <https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwidpNu63pP8AhVTQ EDHfpvBFgQFnoECA8QAQ&url=https%3A%2F%2Fwww.programiz.com%2Fpython-programming%2Fonline-compiler%2F&usg=AOvVaw2h4ciwPvf6hPYUFOjsl3wC>
3. Next, you have to copy/ paste and run the following programs in either Python Installed IDLE or online-c compiler:

```
print ('My first experience with Python')
```

```
print ('Lets check')
print (2+3)
print (6-3)
print (2*8)
print (8/3)
print (8//3)
print (2^3)
```

4. Create following programs:
  - a. Write your family member names in separate lines
  - b. Generate following output using spaces

```
1
 2
 3
 4
 5
```
  - c. Generate following output using spaces

```
1      1
 2      2
 3      3
 4      4
 55
```
  - d. Generate following output using spaces

5  
4  
3  
2  
1

e. Generate following output using spaces

```

_
 _
  _
   _
    _
     _

```

5. Read following articles:

- a. <https://www.geeksforgeeks.org/difference-between-high-level-and-low-level-languages/>
- b. <https://www.geeksforgeeks.org/difference-between-compiler-and-interpreter/>
- c. <https://www.ascii-code.com/>
- d. <https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwiN2bGF6Jj8AhWCVKQEHXb8BCEQFnoECAwQAw&url=https%3A%2F%2Fwww.scaler.com%2Ftopics%2Ftypes-of-errors-in-python%2F&usg=AOvVaw0JDLeYmGL2SPm94V1bQoV0>
- e. <https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwiTqKq36Jj8AhUFQaQEHTb4BR8QFnoECBgQAw&url=https%3A%2F%2Fwww.scaler.com%2Ftopics%2Fescape-sequence-in-python%2F&usg=AOvVaw1qhc8FtengWX6EkEYA3dJq>
- f. <https://press.rebus.community/programmingfundamentals/chapter/integer-division-and-modulus/>