

## BSDS Guidelines + Homework 1

1. Download Python from:
  - a. <https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwiAtZHP25P8AhWvQvEDHVhZCwkQFnoECClQAQ&url=https%3A%2F%2Fpython.en.softonic.com%2Fdownload&usg=AOvVaw2eMEN8ftinIII3TI1xnOOV>
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](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:

- <https://www.geeksforgeeks.org/difference-between-high-level-and-low-level-languages/>
- <https://www.geeksforgeeks.org/difference-between-compiler-and-interpreter/>
- <https://www.ascii-code.com/>
- <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&usq=AOvVaw0JDLeYmGL2SPm94V1bQoV0>
- <https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwiTqKg36Jj8AhUFQaQEHTb4BR8QFnoECBgQAw&url=https%3A%2F%2Fwww.scaler.com%2Ftopics%2Fescape-sequence-in-python%2F&usq=AOvVaw1qhc8FtengWX6EkEYA3dJq>
- <https://press.rebus.community/programmingfundamentals/chapter/integer-division-and-modulus/>