

Assignment-2

SID- 21107022

Name- Rajbir

GITHUB REPOSITORY LINK-

Ans1.

```
PS C:\Users\hp\Desktop\New folder> & C:/Users/hp/AppData/Local/Microsoft/WindowsApps/python3.9.exe "c:/Users/hp/Desktop/New folder/assignment-2/question-1.py"
Python is a case sensitive language
Length of the string is: 35
The reversed string is: egaugnal evitisnes esac a si nohtyP
a case sensitive
Python is object oriented language
Index of "a" substring in input string is: 10
Pythonisacasesensitivelanguage
PS C:\Users\hp\Desktop\New folder>
```

Ans2.

```
ers/hp/Desktop/New folder/assignment-2/question-2.py"
Hey, RAJBIR Here!
My SID is 21107032
I am from Mechanical Engineering department and my CGPA is 9.9
PS C:\Users\hp\Desktop\New folder>
```

Ans3.

```
PS C:\Users\hp\Desktop\New folder> & C:/Users/hp/AppData/Local/Microsoft/WindowsApps/python3.9.exe "c:/Users/hp/Desktop/New folder/assignment-2/question-3.py"
a = 56 b = 10
Value of a&b: 8
Value of a|b: 58
Value of a^b: 50
Value after left shifting both a and b by 2 bits.: (224, 40)
Value after right shifting both a by 2 bits and b by 4 bits.: (14, 0)
PS C:\Users\hp\Desktop\New folder>
```

Ans4.

```
You get "Yes" and "No" accordingly.
Please input the string my name is rajbir& C:/Users/hp/AppData/Local/Microsoft/WindowsApps/python3.9.exe "c:/Users/hp/Desktop/New folder/assignment-2/question-4.py"
Yes
PS C:\Users\hp\Desktop\New folder> █
```

Ans5.

```
ers/hp/Desktop/New folder/assignment-2/question-5.py"
Enter length 1
3
Enter length 2
13
Enter length 3
5
Can given input lengths form a triangle?
No
PS C:\Users\hp\Desktop\New folder> 
```

Ans6.

```
PS C:\Users\hp\Desktop\New folder> & C:/Users/hp/AppData/Local/Mic
ers/hp/Desktop/New folder/assignment-2/question-6.py"
Enter 1st number (a) 22
Enter 2nd number (b) 13
Number of bits needed to be flipped to convert 'a' to 'b' are: 4
PS C:\Users\hp\Desktop\New folder> 
```