

Python

1. Guess output of each slice:

```
s='Python is Object Oriented'
```

1. s[-1] 2. s[::-1] 3. s[:-1] 4. s[1:1] 5. s[4:10]

2. What error do you see for following statements:

```
s= "  
print(s[1])
```

3. Do you get any error for the following code, if not give the output:

```
S='Gaurav'  
print(s[1])
```

4. Find output of the following:

- a)

```
s='a b cd'  
print(len(s))  
print(s[:2])  
print(len(s[:2]))
```
- b)

```
s='a#b#c#d#'  
print(s.split())  
print(s.split('#'))  
l=s.split('#')  
s='$'.join(l)  
print(s)
```
- c)

```
S='Gaurav'  
S=S[::-2][:-2]  
print(S)
```
- d)

```
print(1>2)
```
- e)

```
print(4%2, 5%2, 2%5, sep=', ')
```
- f)

```
s='abcba'  
s.upper()  
print(s)  
print(s.count('A'), end = ',')  
print(s.count('A', 2,4) , end = ',')  
print(s.count('a', 2,4) , end = ',')
```

5. WAP to input a string and remove all spaces from it.

6. What does this symbol denote:

```
[]
```

7. WAP to print all methods(functions/operations) available in a string (Hint : dir())

8. Write statement to check if **rstrip** method is available in the **str** class.
(Hint : Use the find function or in)

WAF to input complete name (first and last name separated by space) and print first and last

WAP to input a string and split it into 2 halves. The string can be of any length

$$S2 = \text{ing}$$
$$S^2 = ds$$