## **Python**

 Guess output of each slice: s='Python is Object Oriented'

```
1. s[-1] 2
```

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(I)
  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)

9. WAP to **store** the following patterns in a **string variable** and then print them:



- 10. WAP to input a string and replace all space with new lines (\n) and print again.
- **11.** WAP to input complete name(first and last name separated by space) and print first and last name separately along with their length in upper case.
- 12. WAP to input a string and split it into 2 halves. The string can be of any length

Ex-1: Input = "String"

S1 = Str

S2 = ing

Ex-2: Input = "words"

S1 = wo

S2 = ds