

CAMBRIAN PUBLIC SCHOOL

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Computer Science(083)

(Class XII)

Case Based Question

1. Ravi a Student of class 12 want to strengthen the basic concept of python which is as follow :
 - a) Basic features of Python
 - b) Data types supported by Python and operators used in Python.
Like (int, float, boolean, string, list, tuple, dictionary with valid suitable Python program)
2. Write a function to do following creative activities:
 - a) To find the cube of any number .
 - b) To find the compound interest when principle , rate and time passed to the function.
 - c) To display the following series :
 - i. 0 1 1 2 3 5.....n terms.
 - ii. A
A B
A B C
A B C D upto n rows
 - iii. 1 2 4 7 11 n terms.

3. What is output of the following program:

```
ns="" "
```

```
def check(s):  
    global ns  
    l=len(s)  
    for i in s:  
        if i.islower():  
            ns+=i.upper()  
        elif i.isupper():  
            ns+=i.lower()
```

```
elif i.isspace():
```

```
    ns+='@'
```

```
elif i.isdigit():
```

```
    ns+='3'
```

```
else:
```

```
    ns+='%'
```

```
s2="I LoVe mY India2425"
```

```
check(s2)
```

```
print(ns)
```

```
(2)
```

```
s = 'Python is fun'
```

```
def show():
```

```
    l = s.split()
```

```
    s_new = '-'.join([l[0].upper() , l[1] , l[2].capitalize()])
```

```
    print(s_new)
```

```
show()
```