

PYTHON LAB CAT 2
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REGISTRATION NUMBER- 22MCA0201

Q6. b) Convert the first letter of each word in the sentence to uppercase in python using

- i) Function with parameter and no return value
- ii) Function with parameter and return value

Code-

```
## Function with parameter and no return value
def capitalise1(s):
    l=s.split(' ')
    ans=""
    for i in l:
        ans+=i.capitalize()+' '
    print(ans)

## Function with parameter and return value
def capitalise2(s):
    l=s.split(' ')
    ans=""
    for i in l:
        ans+=i.capitalize()+' '
    return ans

s = input("Enter a string in lower case letters: ")
capitalise1(s)
print(capitalise2(s))
```

Output-

```
• (base) matlab@sjtg18site012:~/Desktop/Python-Arka$ /bin/python3 /home/matlab/Desktop/Pyth
Enter a string in lower case letters: i am arka a masters student at vit vellore
I Am Arka A Masters Student At Vit Vellore
I Am Arka A Masters Student At Vit Vellore
○ (base) matlab@sjtg18site012:~/Desktop/Python-Arka$
```

6. a) Write a program which accepts a sequence of comma separated 4 digit binary numbers as its input and then check whether they are divisible by 5 or not. The numbers that are divisible by 5 are to be printed in a comma separated sequence.

Example:

0100,0011,1010,1001

Then the output should be:

1010

Code-

```
items = []  
  
nums = [x for x in input().split(',')]  
  
for p in nums:  
    x = int(p, 2)  
    if not x % 5:  
        items.append(p)  
  
print(','.join(items))
```

Output -

```
● (base) matlab@sjtg18site012:~/Desktop/Python-Arka$ /bin/  
1010,0100,1010,0001  
1010,1010  
○ (base) matlab@sjtg18site012:~/Desktop/Python-Arka$
```