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Lab Manual
Course : CSE -103
Credit Title : Structured Programming
Instructor : Maheen Islam, Associate Professor, Dept. of CSE, EWU

Lab – 4.2: Loops

Exercise 1:
A single subscripted array holds 100 integer numbers. **Write** a C program that determines how many of the numbers belong to following ranges:

i. Less than 0
ii. 0 – 100
iii. 101 – 200
iv. 201 – 300
v. 301 – 400
vi. 401 and above

Exercise 2:
Write a C program to print sum of the squares of integer from ***1 to n*** those are divisible by 3. Your program will input the value of ***n*** and the function will print the result. For example, if you input n=10, the sum of the series 9 + 36 + 81 will be shown in output.

Exercise 3:
Write a complete C program that prints the numbers shown below, with the given number of rows taken as input. For example, if the number of rows is 5, the program should produce the following output.

```
*
* *
* * *
* * * *
* * * * *
```

Exercise 4:
Write a complete C program that prints the numbers shown below, with the given number of rows taken as input. For example, if the number of rows is 6, the program should produce the following output.

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 4 5 6
```