

**North South University**  
**Department of Electrical and Computer Engineering**  
**CSE 215L: Programming Language II Lab**

**Lab – 3: Loop**

**Objective:**

- To learn the usage of loops (for, while, do-while)

**For Loop:**

```
for(int i = 0; i < 10; i++){  
}
```

**While Loop:**

```
while(condition){  
// do something // do something  
}
```

**Do While Loop:**

```
do{  
//do something  
}while(condition);
```

**Task:**

1. Write a program that takes an integer and **determines** if it's prime or not. A number is prime if it is divisible by 1 and itself only, i.e. 2, 3, 11, 37 etc.

2. Write a program that prints the multiplication table from 1 to 10.

1X1=1

1X2=2

.....

5X10=50

3. Write a program that takes an integer and prints its divisors, i.e. divisors of 12 are 1, 2, 3, 4, 6.