

## Function 1

This function prints the size of different variables

```
Function 1: SizeOfVariables
```

```
Size of char c: 1 Bytes.  
Size of short s: 2 Bytes.  
Size of int i: 4 Bytes.  
Size of unsigned int ui: 4 Bytes.  
Size of unsigned long int ul: 8 Bytes.  
Size of float f: 4 Bytes.  
Size of long double ld: 16 Bytes.  
Size of void *ptr: 8 Bytes.
```

## Function 2

This function checks if a year is a leap year or not.

```
Function 2: IsLeapYear
```

```
1700 is not a leap Year  
2020 is a leap Year  
2021 is not a leap Year  
2019 is not a leap Year  
1800 is not a leap Year  
1900 is not a leap Year  
2000 is a leap Year  
1904 is a leap Year  
1908 is a leap Year  
1996 is a leap Year
```

## Function 3

This function checks if a given letter is a Vowel or consonant.

#### Function 3: IsVowel

```
a is Vowel
z is Consonant
. is not a valid Vowel nor Consonant
1 is not a valid Vowel nor Consonant
B is Consonant
E is Vowel
i is Vowel
8 is not a valid Vowel nor Consonant
o is Vowel
U is Vowel
? is not a valid Vowel nor Consonant
```

#### Function 4

This function reverses the given number.

#### Function 4: ReverseNumber

```
Original number 1234
```

```
Reversed number 4321
```

```
Original number -4391
```

```
Reversed number -1934
```

```
Original number 1920
```

```
Reversed number 291
```

```
Original number -8765
```

```
Reversed number -5678
```

```
Original number 9837
```

```
Reversed number 7389
```