Lab 06

Task 0: Run following program and understand working for next tasks. This program is generating 5 random numbers in range 0 to 99 and printing the number and its square.

```c
#include <stdio.h>
#include <stdlib.h>
#include <time.h>

int main(){
    srand(time(0));
    int i, x;
    for (i=1;i<=5;i++){
        x = rand() % 100;
        printf ("Square of %d is %d\n", x, x*x);
      }
      return 0;
}
```

Task1: Write a program (using a for loop) that generates 5 integers from the user and print whether the number is even or odd. See test run for further understanding:

Enter number: 25
25 is odd
Enter a number: 10
10 is even
Enter a number: 36
36 is even
Enter a number: 49
49 is odd
Enter a number: 60
60 is even

Task2: Write a program that generates 10 capital characters at random, check and print whether the character is vowel or consonant. See Test Run:

Hint: To generate a random character, take the char type variable and write the following statement to generate a random character.

```c
c = rand() % 26 + 'A';
```

D is consonant
U is vowel
M is consonant

…

Task3: Write a program to run loop 5 times, generate two numbers randomly in each iteration and print them in ascending order, see test run:

37 45
23 89
19 78
20 65
54 83

[END OF LAB :) :) :)]