Lesson 1 Lab

Task 1: To make a **program** which reads an integer from user and then print it two times

```
#include <stdio.h>

int main() {
    int number;
    scanf("%d", &number);
    printf("%d\n", number);
    printf("%d", number);
    return 0;
}
```

Task 2: To make a **program** which reads two integers from user, and then print the sum of them

```
#include <stdio.h>

int main() {
    int number1, number2;
    scanf("%d %d", &number1, &number2);
    printf("%d", number1 + number2);
    return 0;
}
```

Task 3: To make a **program** which reads two chars from user, and then print them in different lines

```
#include <stdio.h>

int main() {
    char character;
    scanf("%c", &character);
    printf("%c\n", character);
    printf("%c", character);
    return 0;
}
```

Task 4: To make a **program** which reads two integers from user, and then print them with the second number first, followed by the first input with a space in between

```
#include <stdio.h>

int main() {
    int number1, number2;
    scanf("%d %d", &number1, &number2);
    printf("%d %d", number2, number1);
    return 0;
}
```

Task 5: To make a **program** which reads two integers from user, and then print the bigger one between the two, only using basic if statements

```
#include <stdio.h>

int main() {
    int number1, number2;
    scanf("%d %d", &number1, &number2);

    if (number1 > number2)
    {
        printf("%d", number1);
    }
    if (number2 > number1)
    {
        printf("%d", number2);
    }
    if (number2 == number1)
    {
        printf("Numbers are equal");
    }
    return 0;
}
```

Task 6: To make a **program** which reads an integer from user, and then print "positive", "zero" or "negative" accordingly, only using basic if statements

```
#include <stdio.h>
```

```
int main() {
    int number;
    scanf("%d", &number);

    if (number > 0)
    {
        printf("positive");
    }
    if (number == 0)
    {
        printf("zero");
    }
    if (number < 0)
    {
        printf("negative");
    }
    return 0;
}
```

Task 7: To make a **program** which reads two integers from user, and then print the bigger one between the two or “they are same.” accordingly, using ONE if statement

```
#include <stdio.h>

int main() {
    int number1, number2;
    scanf("%d %d", &number1, &number2);

    if (number1 > number2)
    {
        printf("%d", number1);
    }
    else if (number2 > number1)
    {
        printf("%d", number2);
    }
    else
    {
```

```
        printf("They are the same.");
    }
    return 0;
}
```

Task 8: To make a **program** which reads an integer from user, and then print "positive", "zero" or "negative" accordingly, using ONE if statement

```
#include <stdio.h>

int main() {
    int number;
    scanf("%d", &number);

    if (number > 0)
    {
        printf("positive");
    }
    else if (number < 0)
    {
        printf("negative");
    }
    else
    {
        printf("zero");
    }
    return 0;
}
```

Task 9: To make a **program** prints 1 to 50, each 7 per line using one while-loop

```
#include <stdio.h>

int main() {
    int n = 1;
    while (n <= 50)
    {
        printf("%d\n", n);
        n++;
    }
```

```
    return 0;
}
```

Task 10: make a program prints out numbers between 1 and 100: which are multiples of 2, or multiples of 3, but **NOT** multiple of 6

```
#include <stdio.h>

int main() {
    int n = 1;
    while (n <= 100)
    {
        if ((n % 6) == 0);
        else if ((n % 2) == 0)
        {
            printf("%d\n", n);
        }
        else if ((n % 3) == 0)
        {
            printf("%d\n", n);
        }
        n++;
    }
    return 0;
}
```