

### **Question 1. (8 Marks)**

Write a C program that takes two characters as input, prints their ASCII values, swaps them, and then prints the ASCII values again after swapping.

**Sample Input 1:**

A      B

**Sample Output 1:**

Before swap First Variable = 65, Second Variable = 66  
After swap First Variable = 66, Second Variable = 65

**Sample Input 2:**

X      Z

**Sample Output 2:**

Before swap First Variable = 120, Second Variable = 122  
After swap First Variable = 122, Second Variable = 120

### **Question 2. (4 Marks)**

Write a C program to output the following:

Path: C:\my\_folder\myTest\

### Question 3. (8 Marks)

The following C program has some errors. Correct it so that the output shows exactly the following:

The sum is 60

```
#include <studio.h>

int main() {

    int x,y;
    x = 25;
    y == 35;
    sum = x+y;

    printf("The sum is %f\n" sum);

    return 0;
}
```

### Instructions:

1. Please write the solutions to the three questions in separate C source files. You may name the files as `problem1.c`, `problem2.c`, `problem3.c`, or choose any other names you prefer.
2. After completing all three files, compress (zip) them into a single archive and send the zipped file to my email address: [rkarim2330121@bscse.uiu.ac.bd](mailto:rkarim2330121@bscse.uiu.ac.bd)