**Instructions:**
   1- Create a folder with your full name on the desktop.
   2- Create 8 Text Documents inside the folder and name them Q1, Q2 ... Q8.
   3- Save your codes inside the Text Documents.

**Q1.** Write a C++ program that asks the user to enter two integers and displays their sum. If the sum is even, display "Even Sum", otherwise, display "Odd Sum".

| |
|---|
| Enter first integer: **12**<br>Enter second integer: **7**<br><br>Sum = 19<br>Odd Sum |

| |
|---|
| Enter first integer: **3**<br>Enter second integer: **11**<br><br>Sum = 14<br>Even Sum |

**Q2.** Write a program that asks the user to enter their full name and three marks, then displays the name and the average. If the average is 90 or above, print 'Well done, you are supersmart', otherwise, print 'Try to work smart'.

| |
|---|
| Enter your full name: **Hallwest Sami**<br>Enter mark 1: **97**<br>Enter mark 2: **85**<br>Enter mark 3: **91**<br><br>Well done, you are supersmart |

| |
|---|
| Enter your full name: **Sazan Ahmad**<br>Enter mark 1: **82**<br>Enter mark 2: **75**<br>Enter mark 3: **91**<br><br>Try to work smart |

**Q3.** Write a program that allows the user to enter three integers and outputs the smallest number (use AND operator).

| |
|---|
| Please enter first number: **12**<br>Please enter second number: **19**<br>Please enter third number: **5**<br><br>The smallest number is 5 |

**Q4.** Write a C++ program that asks the user to enter a day of the week. The program should print "Weekend" if the day is Friday or Saturday, otherwise, it should display "Not Weekend". (use OR operator).

| |
|---|
| Enter a day of the week: **Friday**<br><br>Weekend |

| |
|---|
| Enter a day of the week: **Monday**<br><br>Not Weekend |

**Q5.** Write a program that allows the user to enter three integers and outputs the smallest and the largest number. (use AND operator).

```
Please enter first number: 20
Please enter second number: 7
Please enter third number: 14

The smallest number is 7
The largest number is 20
```

**Q6.** Write a C++ program that asks the user to enter a number. Display "Not Valid" if the number is less than 0 OR greater than 100. (use OR operator).

```
Please enter a number: –8

Not Valid
```

```
Please enter a number: 71

Valid
```

**Q7.** Write a C++ program that asks the user to enter a username and a PIN number. Access is granted if the username is "admin" and the PIN is 1234.

```
Enter the username: admin
Enter the PIN: 1234

Access granted
```

```
Enter the username: admin
Enter the PIN: 125

Access Denied
```

**Q8.** Write a C++ program that asks the user to enter the total purchase amount and age. If the purchase amount is greater than 100 or the age is over 60, apply a 10% discount and display the final amount. Otherwise, display the total amount without any discount.

```
Enter total purchase amount: 134
Enter age: 23

A 10% discount has been applied
Final amount to pay: 120.6
```

```
Enter total purchase amount: 76
Enter age: 19

No discount applied
Final amount to pay: 76
```