**Name**: Shawaiz Sher

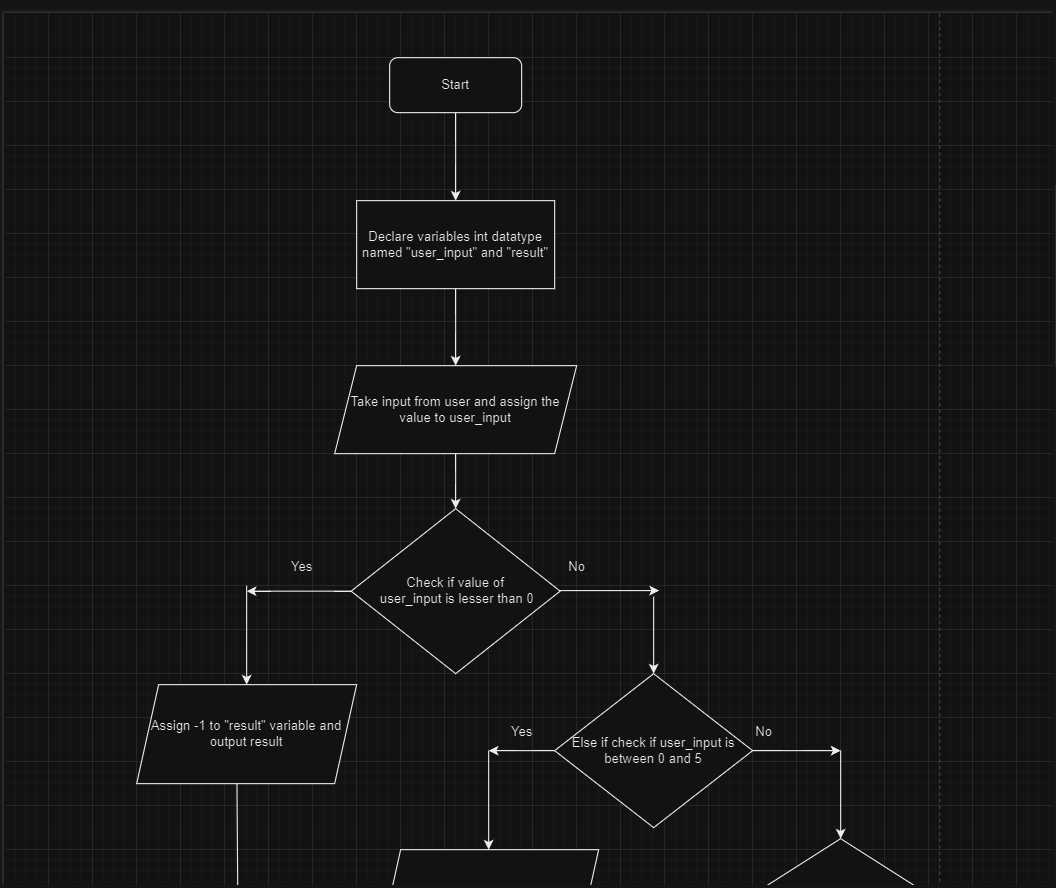
**Enrollment Number**: 01-131232-082 (1-B)

**GitHub Repository Link**: [[Click Here](https://github.com/shawaizsher/CP-Assignment-02)](https://github.com/shawaizsher/CP-Assignment-02/tree/master)

**Algorithm**

1. Start.
2. Declare variables “result” and “user\_input”.
3. Input the value from user and assign it to user\_input variable.
4. Check if the value of user\_input is lesser than 0
   1. If true, Initialize value of -1 to “result” variable and display the value stored in “result” variable.
5. Else if check if the value of user\_input is between 0 and 5
   1. If true, initialize value of 0 to “result” variable and display the value stored in “result” variable.
6. Else if check if the value of user\_input is between 6 and 12
   1. If true, initialize value of 1 to “result” variable and display the value stored in “result” variable.
7. Else if check if the value of user\_input is between 13 and 19
8. If true, initialize value of 2 to “result” variable and display the value stored in “result” variable.
9. Else if check if the value of user\_input is between 20 and 50
10. If true, initialize value of 3 to “result” variable and display the value stored in “result” variable.
11. Else if check if the value of user\_input is between 51 and 60
    1. If true, initialize value of 4 to “result” variable and display the value stored in “result” variable.
12. Else if check if the value of user\_input is between 61 and 101 and display the value stored in “result” variable.
    1. If true, initialize value of 5 to “result” variable and display the value stored in “result” variable.
13. Else if check If the value of user\_input is greater than 101
    1. If true, initialize value of -1 to “result” variable and display the value stored in “result” variable.
14. Else output message “Invalid” incase a non-number value is entered.
15. Stop

**Flowchart**  (flowchart file is attached in GitHub repo)

****

**A diagram of a flowchart

Description automatically generated**

**A screenshot of a computer screen

Description automatically generated**