Q1 - Write a program to check whether two numbers (entered by user) are equal or not.

```
Assignment_02 > G Question01.cpp > main()

1  #include<iostream>
2  using namespace std;
3  int main(){
4  int x,y;
5  cout<<"Enter first number \n";
6  cin>>x;
7  cout<<"Enter second number \n";
8  cin>>y;
9  cout<<(x==y)?1:0;
10  return 0;
11 }
```

Q2 - Write a program to take the values of two variables a and b from the keyboard and then check if both the conditions 'a < 50' and 'a < b' are true.

```
Assignment_02 > ♠ Question_02.cpp > ♠ main()

1  #include<iostream>
2  using namespace std;
3  int main() ﴿
4  int a,b;
5  cout<<"Enter first number \n";
6  cin>>a;
7  cout<<"Enter second number \n";
8  cin>>b;
9  cout<<((a<50)&&(a<b))?1:0;
10  return 0;

11 }
```

Q3 - There are 45 total pupils in the class, 25 of whom are boys. Write a program to find how many girls received grades "A" if 17 boys made up 80% of the students that recei_ved grades "A".

```
Assignment Q2 > € Ouestion_Q3.cpp > ⊕ main()

1  #include<iostream>
2  using namespace std;
3  int main(){
4  int total,boys,girls;
5  boys = 17;
6  total = (45*80)/100;
7  girls = total - boys;
8  cout<<'Mbumber of girls getting grade A ="<<girls<<endl;
9  return 0;

10 }

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

ses. If you want to re-enable it, run 'Import-Module PSReadLine'.

P5 C:\Users\HAJI LAPTOP KARACHI\OneOrive\Desktop\C++ (OOPs)\Assignment_02\> cd "c:\Users\HAJI LAPTOP KARACHI\OneOrive\Desktop\C++ (OOPs)\Assignment_02\"; if ($?) { g++ Question_03.cpp -o Question_03 }; if ($?) { .Question_03 }
P5 C:\Users\HAJI LAPTOP KARACHI\OneOrive\Desktop\C++ (OOPs)\Assignment_02\> cd "c:\Users\HAJI LAPTOP KARACHI\OneOrive\Desktop\C++ (OOPs)\Assignment_02\"; if ($?) { g++ Question_03.cpp -o Question_03.cpp -o Question_03 }; if ($?) { .Question_03 }
P5 C:\Users\HAJI LAPTOP KARACHI\OneOrive\Desktop\C++ (OOPs)\Assignment_02\> cd "c:\Users\HAJI LAPTOP KARACHI\OneOrive\Desktop\C++ (OOPs)\Assignment_02\"; if ($?) { .Question_03 }
Number of girls getting grade A = 19
P5 C:\Users\HAJI LAPTOP KARACHI\OneOrive\Desktop\C++ (OOPs)\Assignment_02\>
```

Q4 - Write a program to calculate the sum of the first and the second last digit of a 5 digit number.

Q5 - Write a program to calculate the sum of digits of a 3 digit number.

```
Assignment_02 > G Question_05.cpp > G main()

#include</dostream>

using namespace std;

int main(){

int main(){

int first, second, third;

cout<<"Enter a number of three digit \n";

cin>num;

int first, second, third;

first = num / 100;

num = num % 100;

second = num / 10;

third = num %10;

cout<<"The sum of digits are = "<<first+second+third;

return 0;

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purposes. If you want to re-enable it, run 'Import-Hodule PSReadLine'.

PS C:\Users\WAJI LAPTOP KARACHI\OneDrive\Desktop\C++ (OOPs)\Assignment_02\"; if ($?) { g++ Question_05.cpp -0 Question_05 }; if ($?) { .\Question_06 } Fixed and the post of three digit is not of digits are = 13

PS C:\Users\WAJI LAPTOP KARACHI\OneDrive\Desktop\C++ (OOPs)\Assignment_02\"; if ($?) { g++ Question_05.cpp -0 Question_05 }; if ($?) { .\Question_06 } Fixed and the post of three digit is not of digits are = 13

PS C:\Users\WAJI LAPTOP KARACHI\OneDrive\Desktop\C++ (OOPs)\Assignment_02\"; if ($?) { .\Question_06 } Fixed and the post of digits are = 13

PS C:\Users\WAJI LAPTOP KARACHI\OneDrive\Desktop\C++ (OOPs)\Assignment_02\"; if ($?) { .\Question_06 } Fixed and the post of digits are = 13

PS C:\Users\WAJI LAPTOP KARACHI\OneDrive\Desktop\C++ (OOPs)\Assignment_02\"; if ($?) { .\Question_06 } Fixed and the post of digits are = 13

PS C:\Users\WAJI LAPTOP KARACHI\OneDrive\Desktop\C++ (OOPs)\Assignment_02\"; if ($?) { .\Question_06 } Fixed and the post of digits are = 13

PS C:\Users\WAJI LAPTOP KARACHI\OneDrive\Desktop\C++ (OOPs)\Assignment_02\"; if ($?) { .\Question_06 } Fixed and the post of digits are = 13

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```

Q6 - Design a calculator to perform basic arithmetic operations (+,-,/,*,%).

