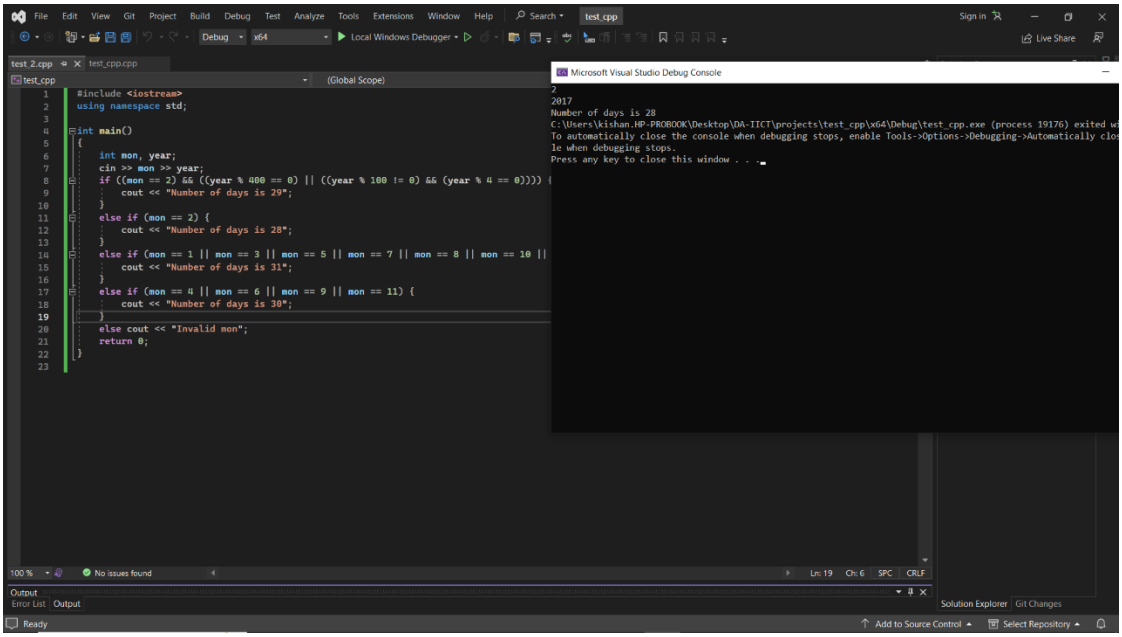
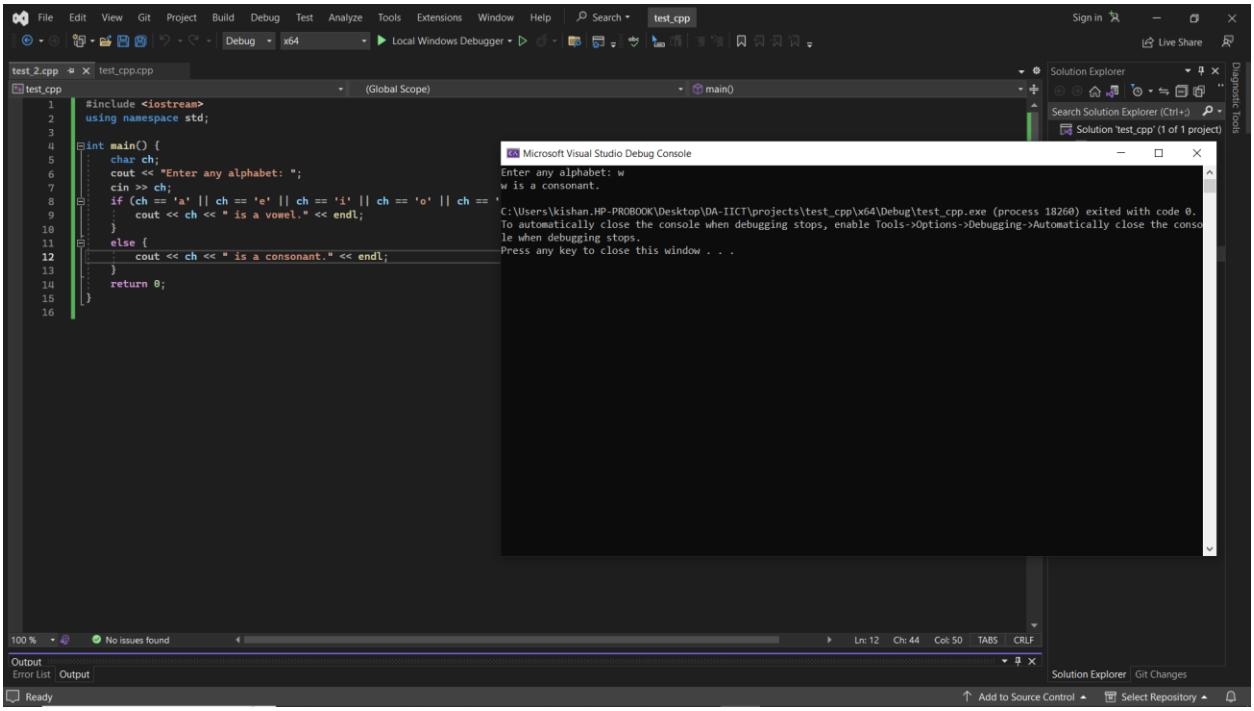
Name :- Vaghamashi Kishan Rajeshbhai

Student ID :- 202312014

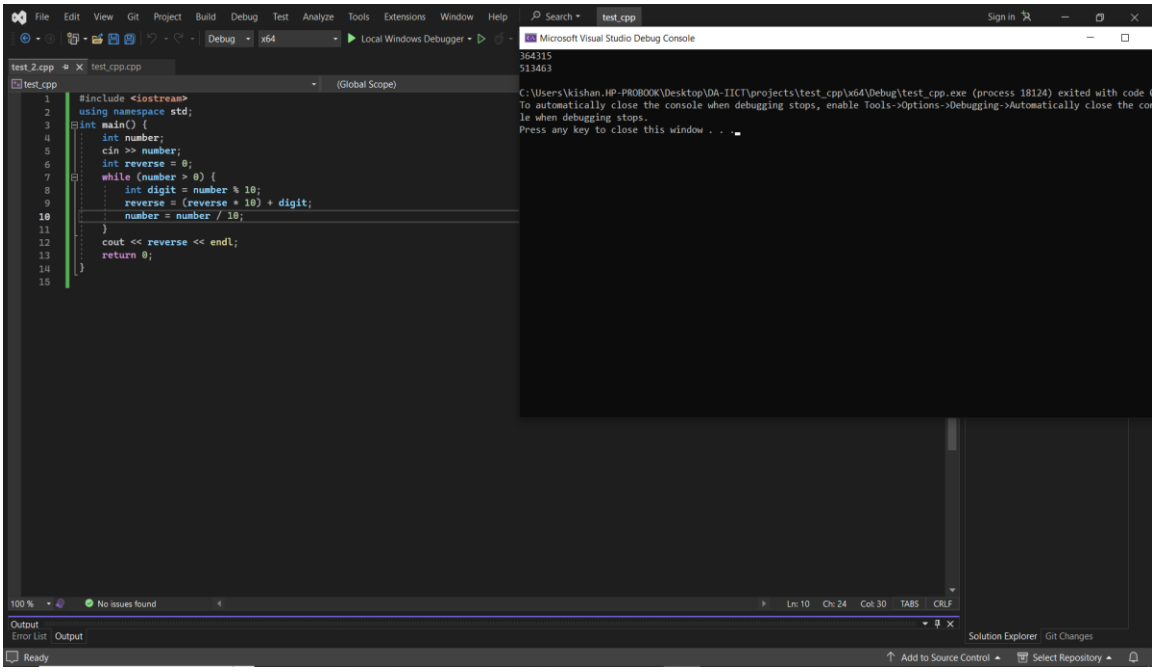
1)



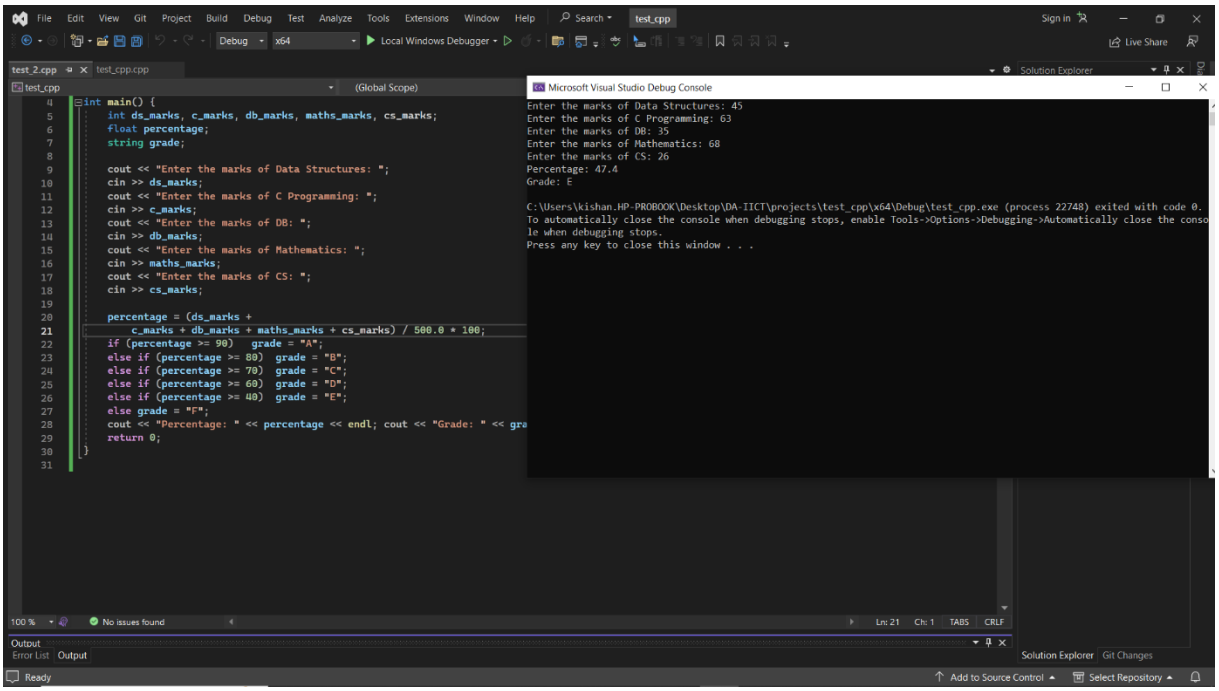
2)



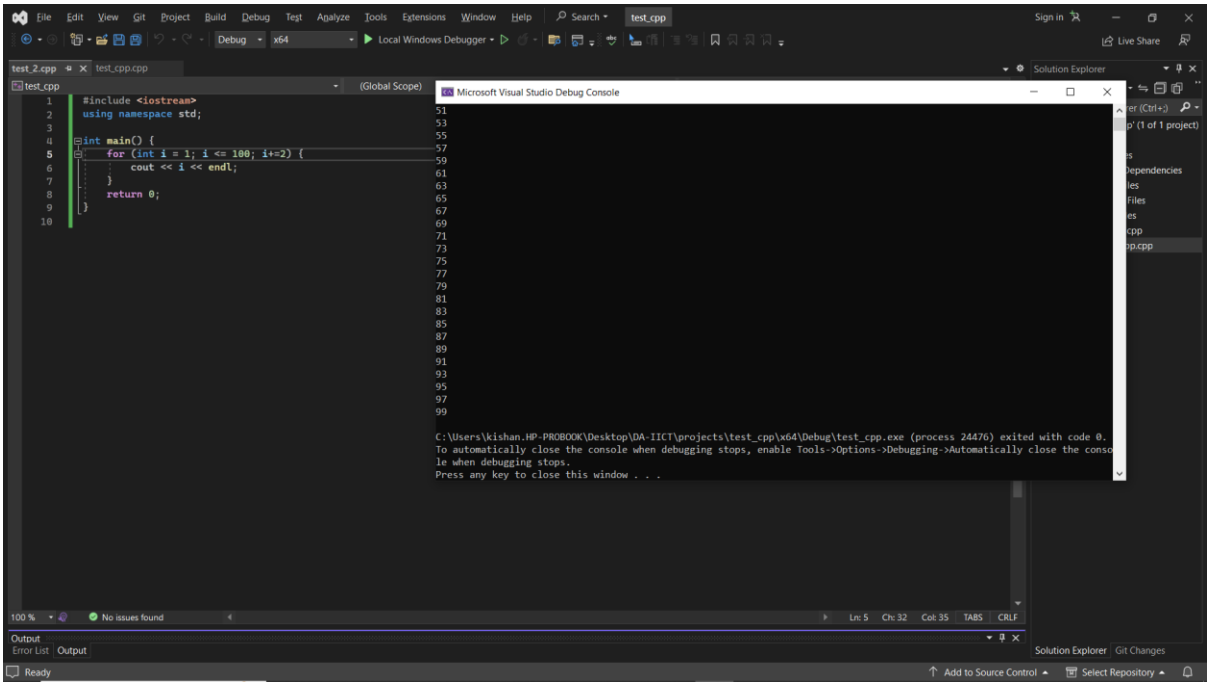
3)


#include <iostream>
using namespace std;
int main() {
int number;
cin >> number;
int reverse = 0;
while (number > 0) {
int digit = number % 10;
reverse = (reverse * 10) + digit;
number = number / 10;
}
cout << reverse << endl;
return 0;
}
Microsoft Visual Studio Debug Console
364315
513463
C:\Users\kishan.HP-PROBOOK\Desktop\DA-IICT\projects\test_cpp\x64\Debug\test_cpp.exe (process 18124) exited with code 0
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .

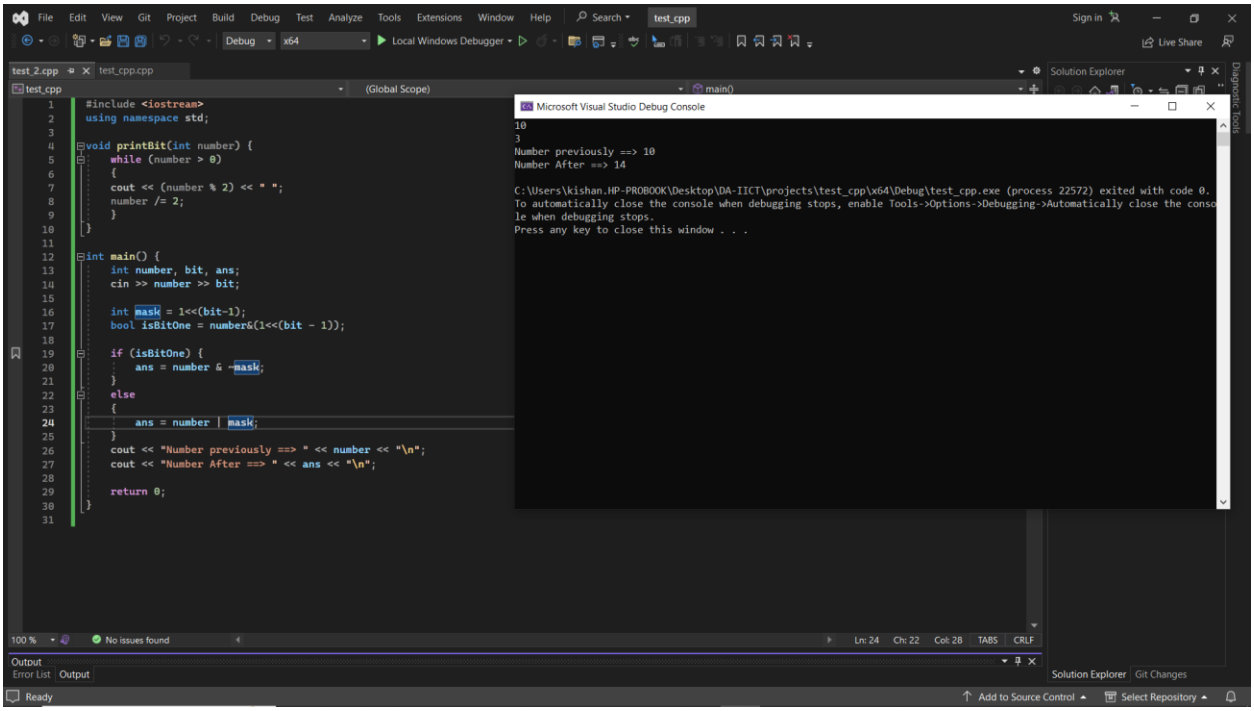
4)


int main() {
int ds_marks, c_marks, db_marks, maths_marks, cs_marks;
float percentage;
string grade;
cout << "Enter the marks of Data Structures: ";
cin >> ds_marks;
cout << "Enter the marks of C Programming: ";
cin >> c_marks;
cout << "Enter the marks of DB: ";
cin >> db_marks;
cout << "Enter the marks of Mathematics: ";
cin >> maths_marks;
cout << "Enter the marks of CS: ";
cin >> cs_marks;
percentage = (ds_marks +
c_marks + db_marks + maths_marks + cs_marks) / 500.0 * 100;
if (percentage >= 90) grade = "A";
else if (percentage >= 80) grade = "B";
else if (percentage >= 70) grade = "C";
else if (percentage >= 60) grade = "D";
else if (percentage >= 40) grade = "E";
else grade = "F";
cout << "Percentage: " << percentage << endl; cout << "Grade: " << gra
return 0;
}
Microsoft Visual Studio Debug Console
Enter the marks of Data Structures: 45
Enter the marks of C Programming: 63
Enter the marks of DB: 35
Enter the marks of Mathematics: 68
Enter the marks of CS: 26
Percentage: 47.4
Grade: E
C:\Users\kishan.HP-PROBOOK\Desktop\DA-IICT\projects\test_cpp\x64\Debug\test_cpp.exe (process 22748) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .

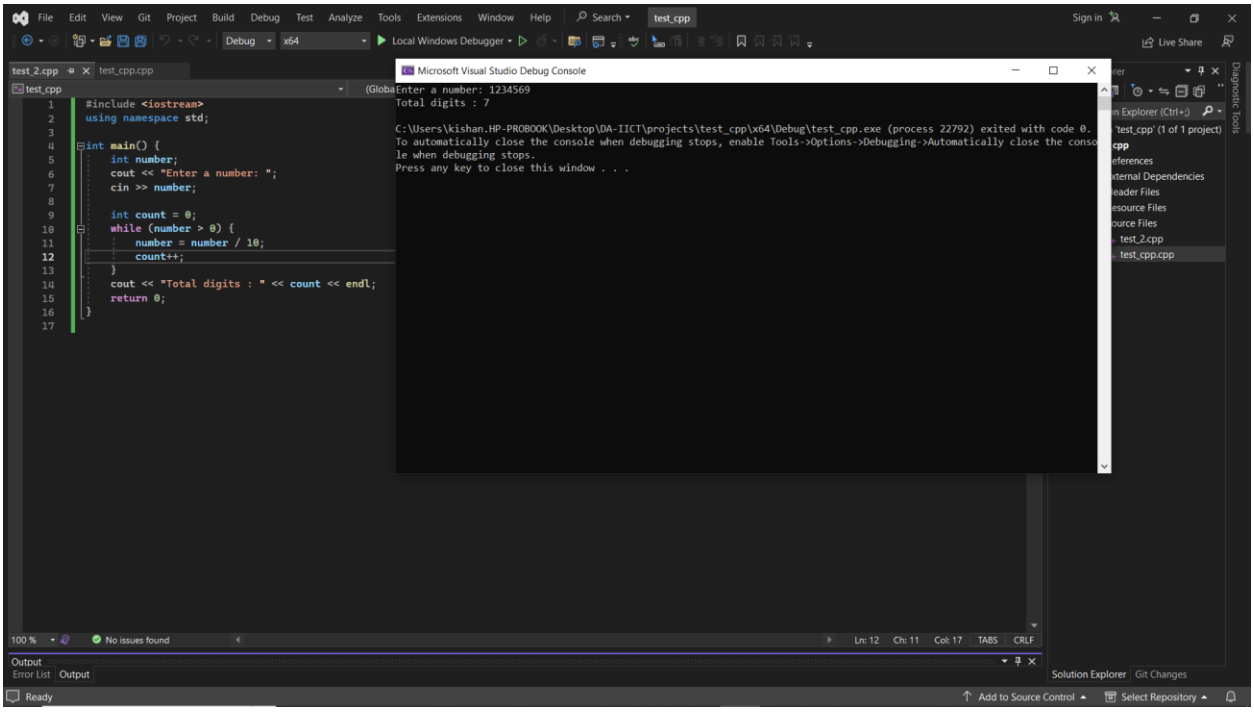
5)


#include <iostream>
using namespace std;
int main() {
for (int i = 1; i <= 100; i+=2) {
cout << i << endl;
}
return 0;
}
Microsoft Visual Studio Debug Console
C:\Users\kishan.HP-PROBOOK\Desktop\DA-IICT\projects\test_cpp\x64\Debug\test_cpp.exe (process 24476) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the conso
le when debugging stops.
Press any key to close this window . . .

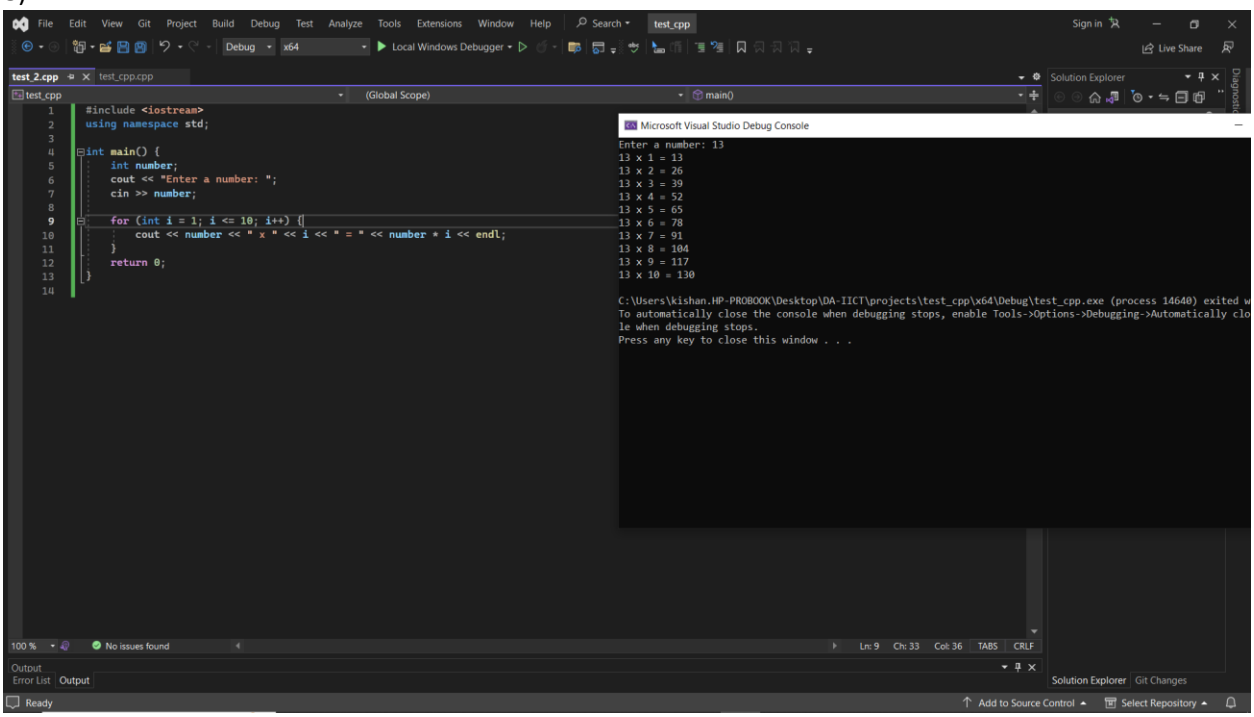
6)


#include <iostream>
using namespace std;
void printBit(int number) {
while (number > 0)
{
cout << (number % 2) << " ";
number /= 2;
}
}
int main() {
int number, bit, ans;
cin >> number >> bit;
int mask = 1<<(bit-1);
bool isBitOne = number&(1<<(bit - 1));
if (isBitOne) {
ans = number & ~mask;
}
else
{
ans = number | mask;
}
cout << "Number previously ==> " << number << "\n";
cout << "Number After ==> " << ans << "\n";
return 0;
}
Microsoft Visual Studio Debug Console
10
3
Number previously ==> 10
Number After ==> 14
C:\Users\kishan.HP-PROBOOK\Desktop\DA-IICT\projects\test_cpp\x64\Debug\test_cpp.exe (process 22572) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the conso
le when debugging stops.
Press any key to close this window . . .

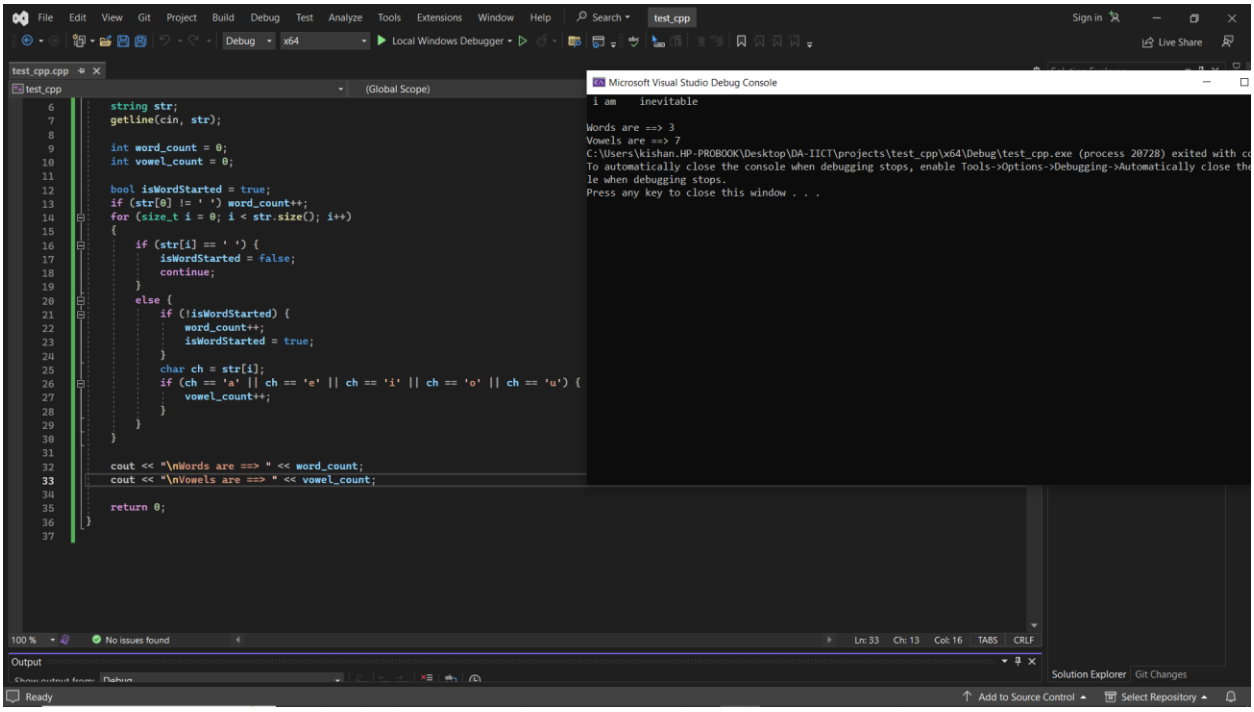
7)


#include <iostream>
using namespace std;
int main() {
int number;
cout << "Enter a number: ";
cin >> number;
int count = 0;
while (number > 0) {
number = number / 10;
count++;
}
cout << "Total digits : " << count << endl;
return 0;
}
Microsoft Visual Studio Debug Console
Enter a number: 1234569
Total digits : 7
C:\Users\kishan.HP-PROBOOK\Desktop\DA-IICT\projects\test_cpp\x64\Debug\test_cpp.exe (process 22792) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .

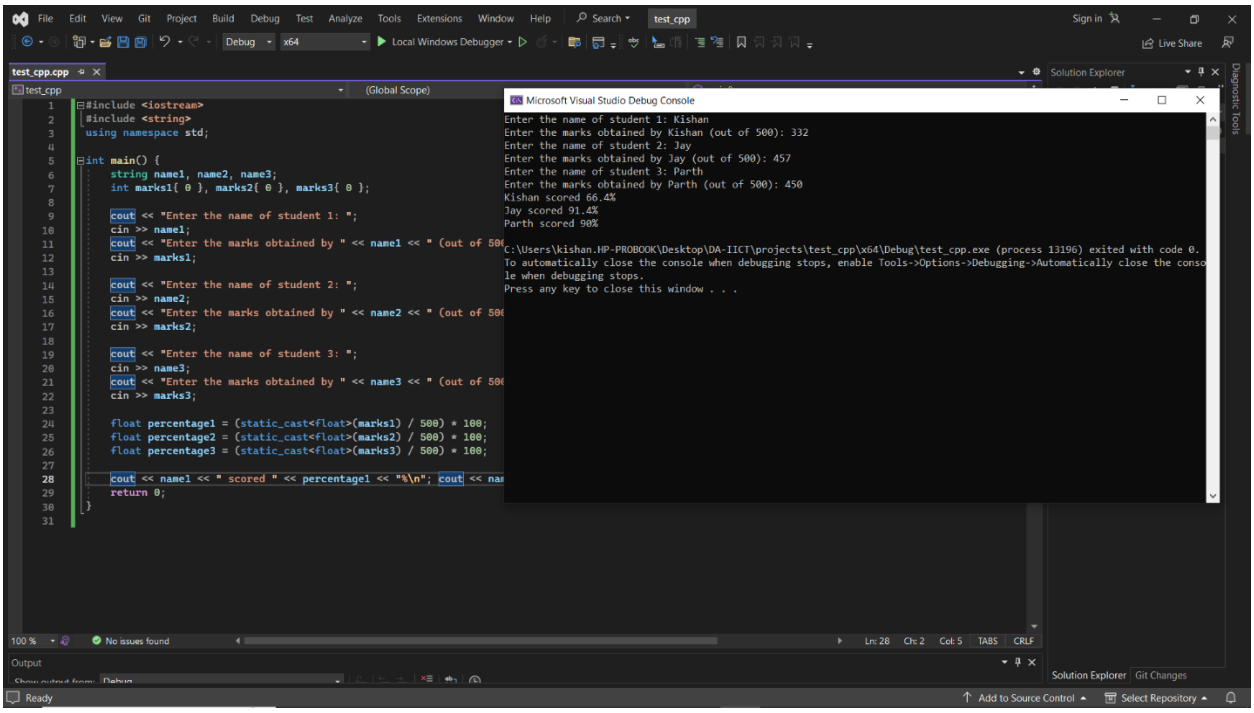
8)


#include <iostream>
using namespace std;
int main() {
int number;
cout << "Enter a number: ";
cin >> number;
for (int i = 1; i <= 10; i++) {
cout << number << " x " << i << " = " << number * i << endl;
}
return 0;
}
Microsoft Visual Studio Debug Console
Enter a number: 13
13 x 1 = 13
13 x 2 = 26
13 x 3 = 39
13 x 4 = 52
13 x 5 = 65
13 x 6 = 78
13 x 7 = 91
13 x 8 = 104
13 x 9 = 117
13 x 10 = 130
C:\Users\kishan.HP-PROBOOK\Desktop\DA-IICT\projects\test_cpp\x64\Debug\test_cpp.exe (process 14640) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .

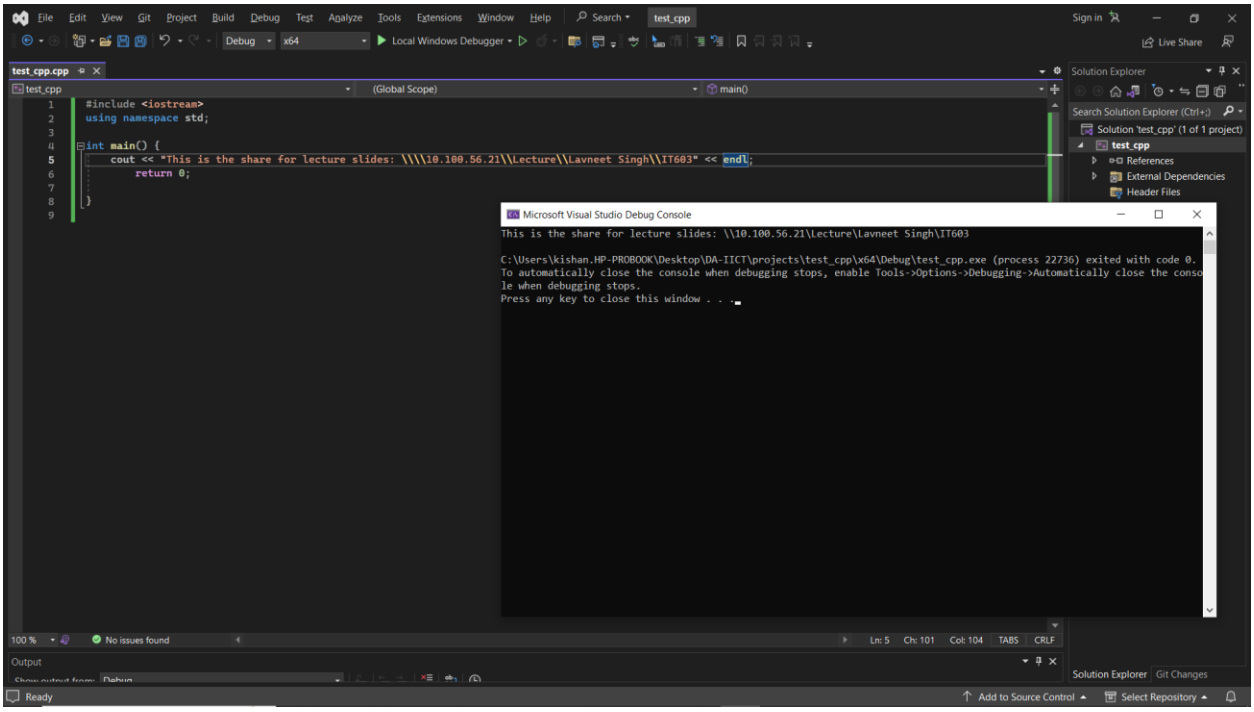
9)


test_cpp.cpp
test_cpp
(Global Scope)
string str;
getline(cin, str);
int word_count = 0;
int vowel_count = 0;
bool isWordStarted = true;
if (str[0] != ' ') word_count++;
for (size_t i = 0; i < str.size(); i++)
{
if (str[i] == ' ') {
isWordStarted = false;
continue;
}
else {
if (!isWordStarted) {
word_count++;
isWordStarted = true;
}
char ch = str[i];
if (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u') {
vowel_count++;
}
}
}
cout << "\nWords are ==> " << word_count;
cout << "\nVowels are ==> " << vowel_count;
return 0;
}
Microsoft Visual Studio Debug Console
i am inevitable
Words are ==> 3
Vowels are ==> 7
C:\Users\kishan.HP-PROBOOK\Desktop\DA-IICT\projects\test_cpp\x64\Debug\test_cpp.exe (process 20728) exited with co
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close th
le when debugging stops.
Press any key to close this window . . .

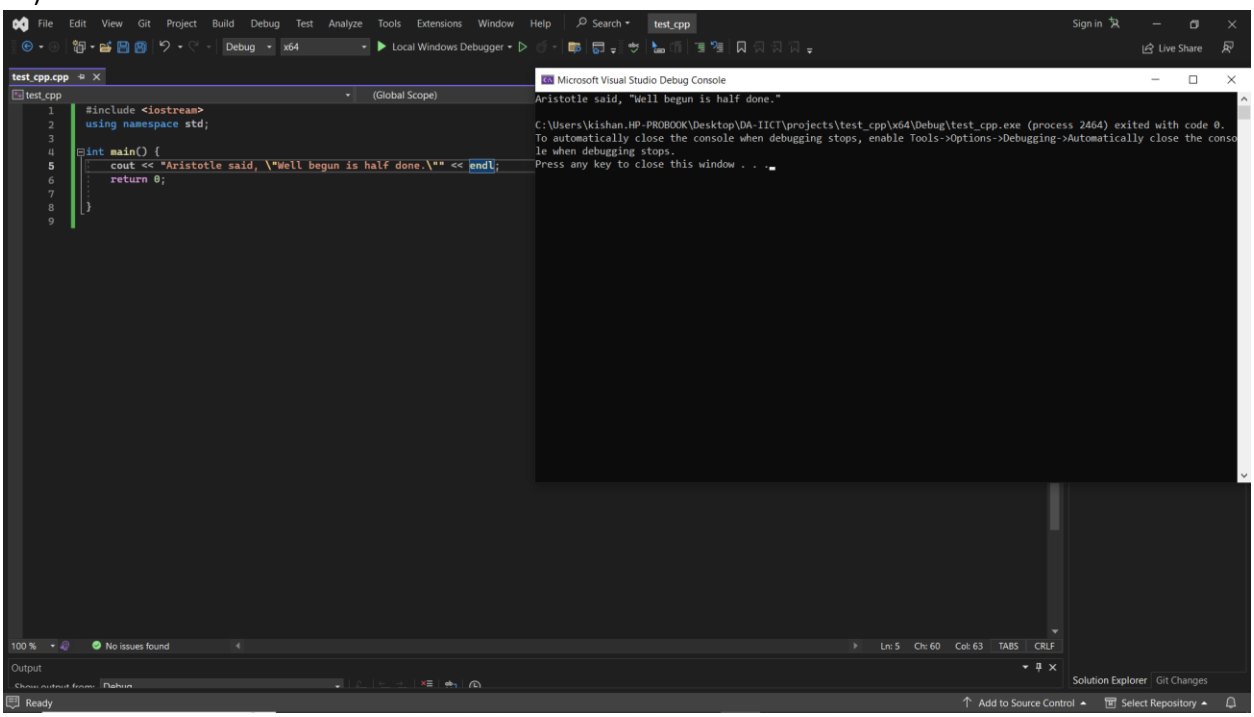
10)


test_cpp.cpp
test_cpp
(Global Scope)
#include <iostream>
#include <string>
using namespace std;
int main() {
string name1, name2, name3;
int marks1{ 0 }, marks2{ 0 }, marks3{ 0 };
cout << "Enter the name of student 1: ";
cin >> name1;
cout << "Enter the marks obtained by " << name1 << " (out of 50
cin >> marks1;
cout << "Enter the name of student 2: ";
cin >> name2;
cout << "Enter the marks obtained by " << name2 << " (out of 50
cin >> marks2;
cout << "Enter the name of student 3: ";
cin >> name3;
cout << "Enter the marks obtained by " << name3 << " (out of 50
cin >> marks3;
float percentage1 = (static_cast<float>(marks1) / 500) * 100;
float percentage2 = (static_cast<float>(marks2) / 500) * 100;
float percentage3 = (static_cast<float>(marks3) / 500) * 100;
cout << name1 << " scored " << percentage1 << "%\n"; cout << na
return 0;
}
Microsoft Visual Studio Debug Console
Enter the name of student 1: Kishan
Enter the marks obtained by Kishan (out of 500): 332
Enter the name of student 2: Jay
Enter the marks obtained by Jay (out of 500): 457
Enter the name of student 3: Parth
Enter the marks obtained by Parth (out of 500): 450
Kishan scored 66.4%
Jay scored 91.4%
Parth scored 90%
C:\Users\kishan.HP-PROBOOK\Desktop\DA-IICT\projects\test_cpp\x64\Debug\test_cpp.exe (process 13196) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the conso
le when debugging stops.
Press any key to close this window . . .

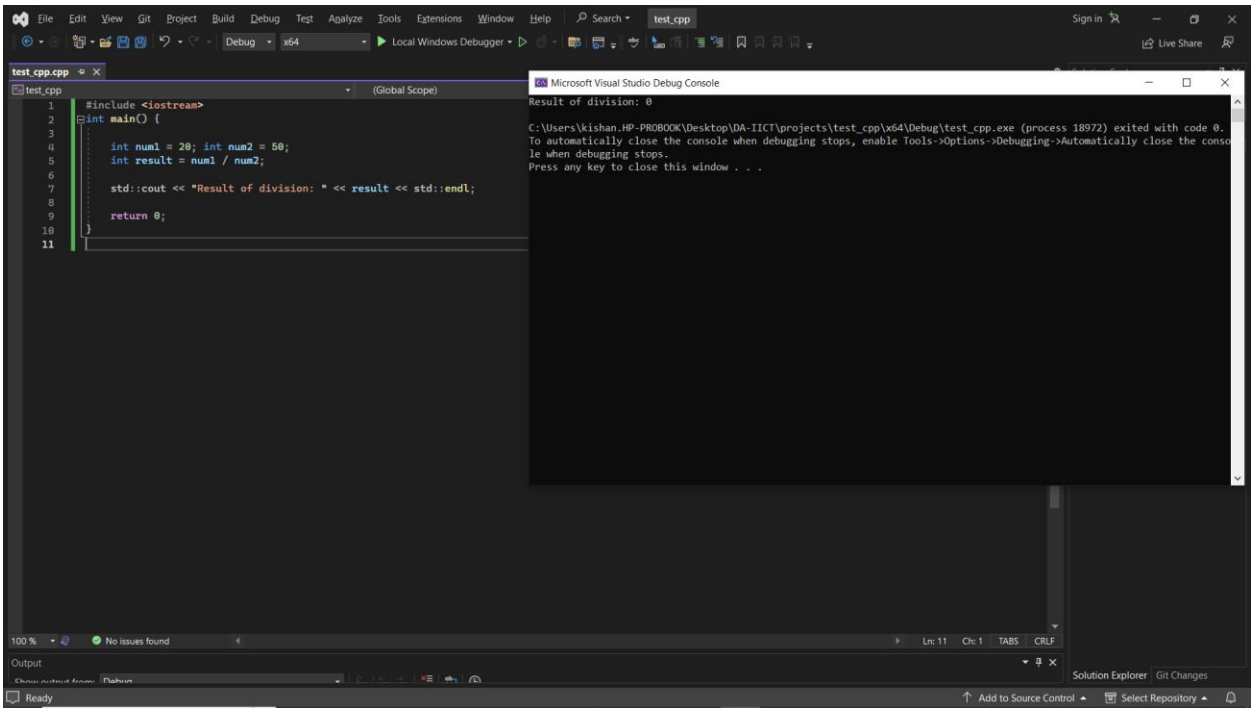
11)


test_cpp.cpp
#include <iostream>
using namespace std;
int main() {
cout << "This is the share for lecture slides: \\\\10.100.56.21\\Lecture\\Lavneet Singh\\IT603" << endl;
return 0;
}
Microsoft Visual Studio Debug Console
This is the share for lecture slides: \\10.100.56.21\Lecture\Lavneet Singh\IT603
C:\Users\kishan.HP-PROBOOK\Desktop\DA-IICT\projects\test_cpp\x64\Debug\test_cpp.exe (process 22736) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .

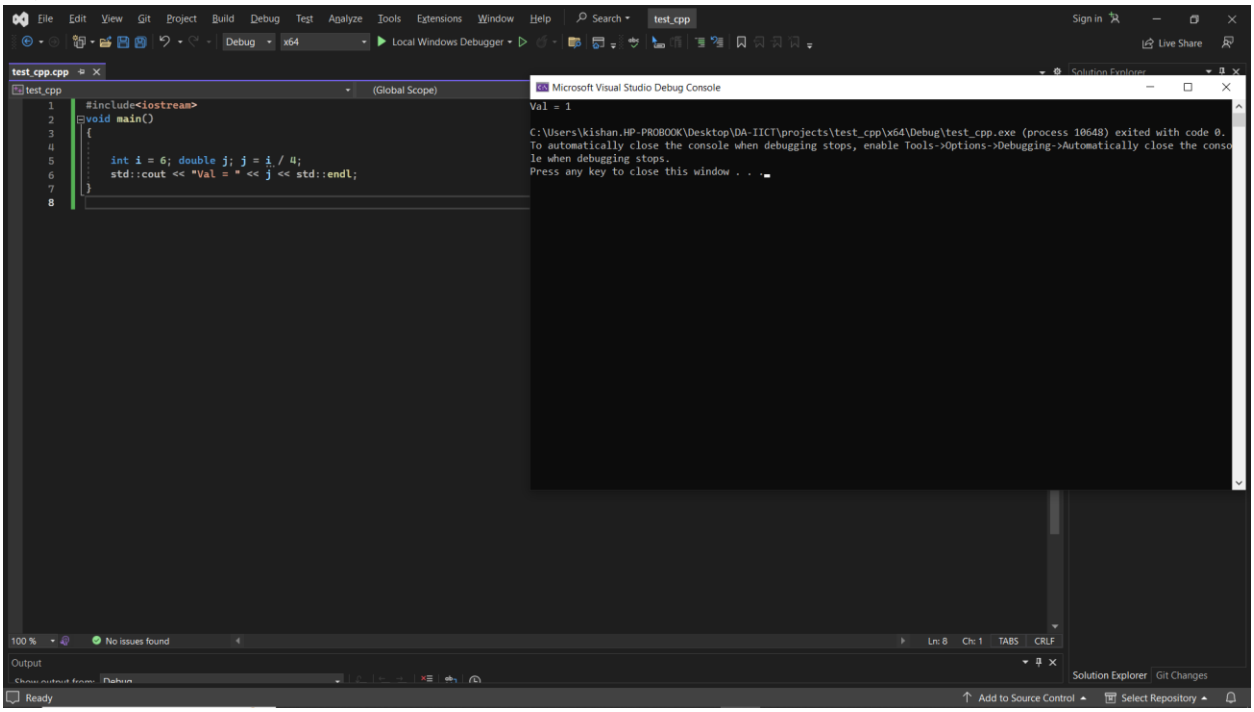
12)


test_cpp.cpp
#include <iostream>
using namespace std;
int main() {
cout << "Aristotle said, \"Well begun is half done.\"" << endl;
return 0;
}
Microsoft Visual Studio Debug Console
Aristotle said, "Well begun is half done."
C:\Users\kishan.HP-PROBOOK\Desktop\DA-IICT\projects\test_cpp\x64\Debug\test_cpp.exe (process 2464) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .

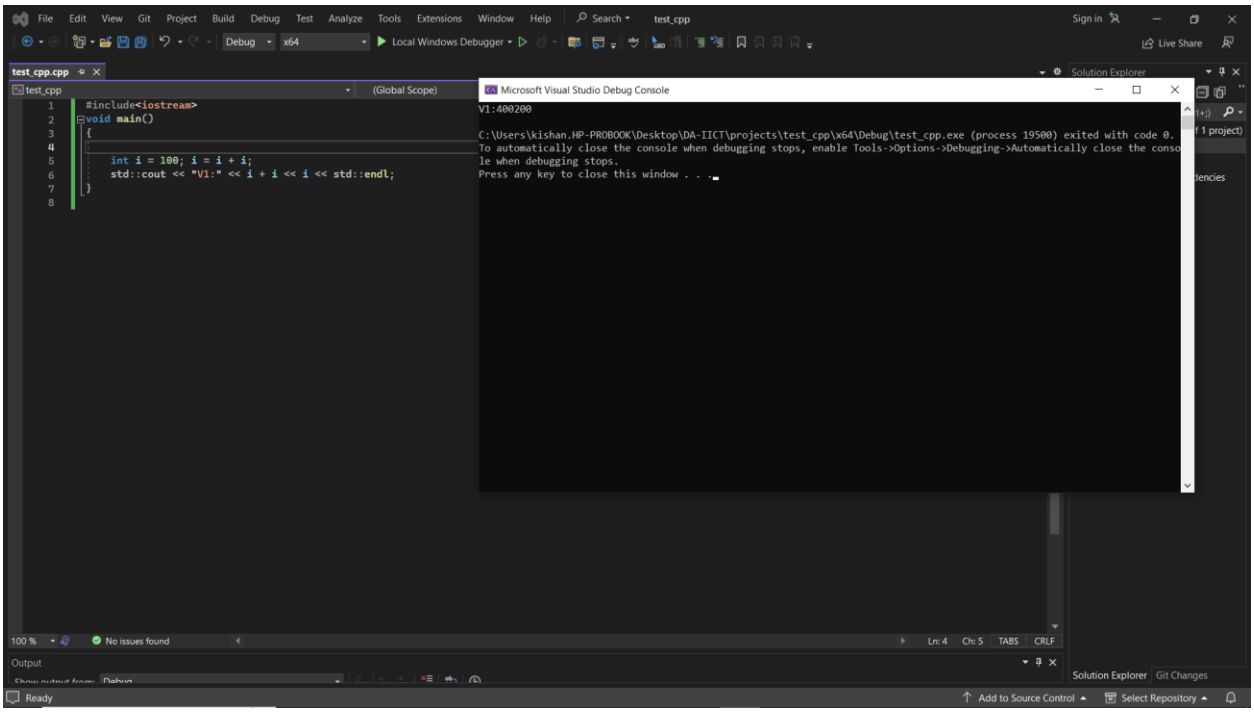
13)


test_cpp.cpp
test_cpp
(Global Scope)
#include <iostream>
int main() {
int num1 = 20; int num2 = 50;
int result = num1 / num2;
std::cout << "Result of division: " << result << std::endl;
return 0;
}
Microsoft Visual Studio Debug Console
Result of division: 0
C:\Users\kishan.HP-PROBOOK\Desktop\DA-IICT\projects\test_cpp\x64\Debug\test_cpp.exe (process 18972) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .

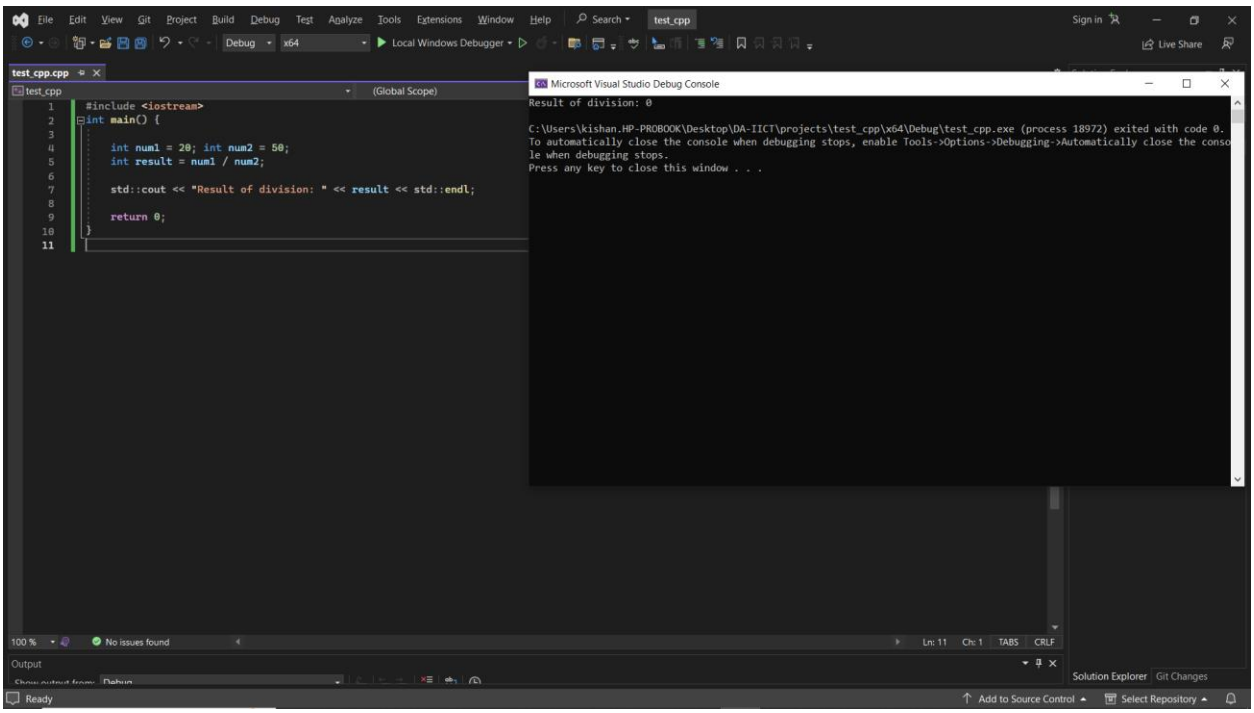
14)


test_cpp.cpp
test_cpp
(Global Scope)
#include<iostream>
void main()
{
int i = 6; double j; j = i / 4;
std::cout << "Val = " << j << std::endl;
}
Microsoft Visual Studio Debug Console
Val = 1
C:\Users\kishan.HP-PROBOOK\Desktop\DA-IICT\projects\test_cpp\x64\Debug\test_cpp.exe (process 10648) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .

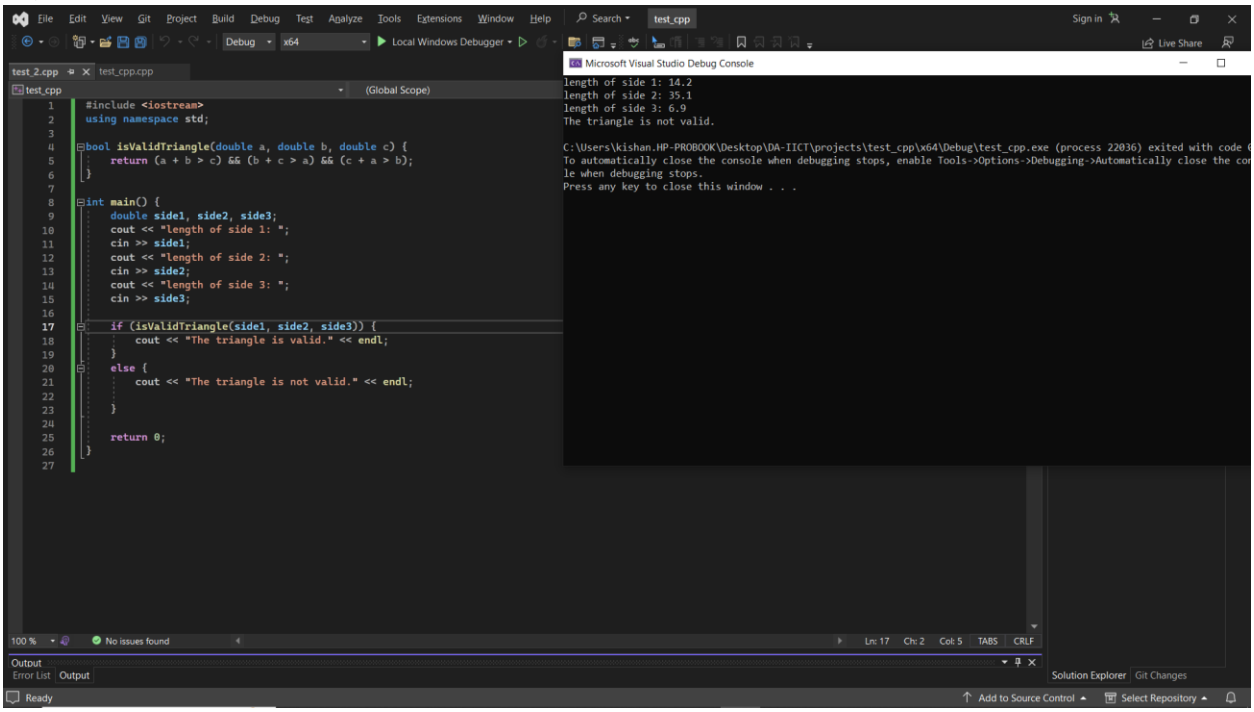
15)


test_cpp.cpp
#include<iostream>
void main()
{
int i = 100; i = i + i;
std::cout << "V1:" << i + i << i << std::endl;
}
Microsoft Visual Studio Debug Console
V1:400200
C:\Users\kishan.HP-PROBOOK\Desktop\DA-IICT\projects\test_cpp\x64\Debug\test_cpp.exe (process 19500) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the conso
le when debugging stops.
Press any key to close this window . . .

16)


test_cpp.cpp
#include <iostream>
int main() {
int num1 = 20; int num2 = 50;
int result = num1 / num2;
std::cout << "Result of division: " << result << std::endl;
return 0;
}
Microsoft Visual Studio Debug Console
Result of division: 0
C:\Users\kishan.HP-PROBOOK\Desktop\DA-IICT\projects\test_cpp\x64\Debug\test_cpp.exe (process 18972) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the conso
le when debugging stops.
Press any key to close this window . . .

17)


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
Search
test_cpp
Sign in
Debug
x64
Local Windows Debugger
Live Share
test_2.cpp
test_cpp.cpp
test_cpp
(Global Scope)
#include <iostream>
using namespace std;
bool isValidTriangle(double a, double b, double c) {
return (a + b > c) && (b + c > a) && (c + a > b);
}
int main() {
double side1, side2, side3;
cout << "length of side 1: ";
cin >> side1;
cout << "length of side 2: ";
cin >> side2;
cout << "length of side 3: ";
cin >> side3;
if (isValidTriangle(side1, side2, side3)) {
cout << "The triangle is valid." << endl;
}
else {
cout << "The triangle is not valid." << endl;
}
return 0;
}
Microsoft Visual Studio Debug Console
length of side 1: 14.2
length of side 2: 35.1
length of side 3: 6.9
The triangle is not valid.
C:\Users\kishan.HP-PROBOOK\Desktop\DA-IICT\projects\test_cpp\x64\Debug\test_cpp.exe (process 22036) exited with code
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the co
le when debugging stops.
Press any key to close this window . . .
100 %
No issues found
Ln: 17
Ch: 2
Col: 5
TABS
CRLF
Output
Error List
Output
Solution Explorer
Git Changes
Ready
Add to Source Control
Select Repository