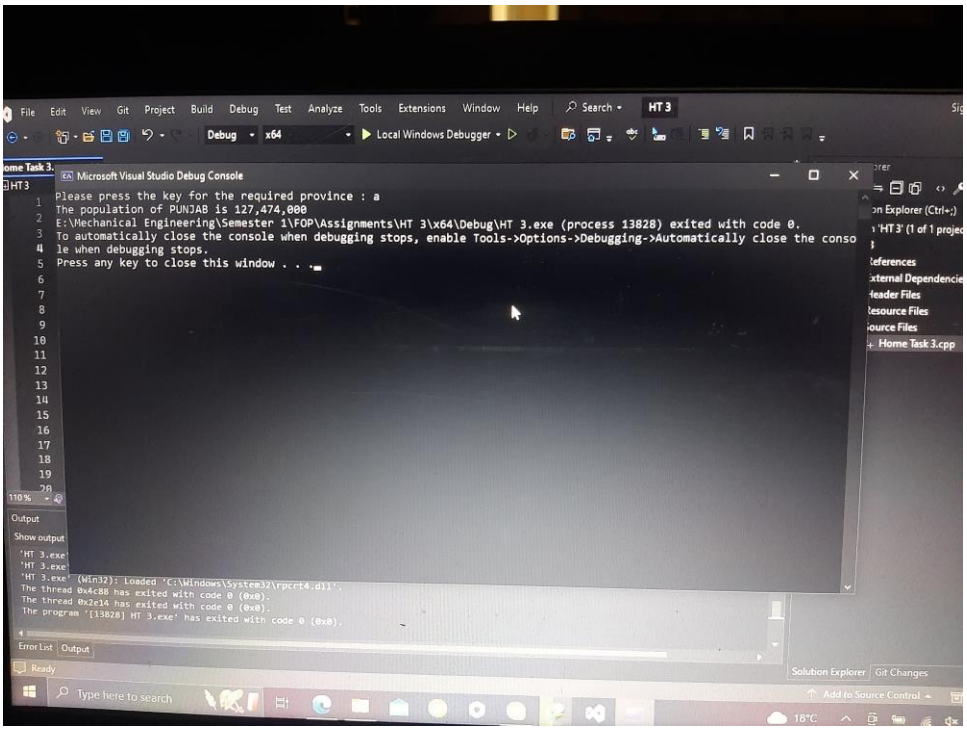
FUNDAMENTALS OF PROGRAMMING

HOME TASK # 3

ABDUL MOIZ 464834 SECTION B

```
#include<iostream>
using namespace std;
int main()
//{ // Task # 1
//      char province;
//      cout << "Please press the key for the required province :
";//(a for punjab,b for sindh,c for kpk,d for balochistan)
//      cin >> province;
//      switch (province)
//      {
//      case'a':
//              cout << "The population of PUNJAB is 127,474,000";
//              break;
//      case'b':
//              cout << "The population of SINDH is 54,858,515";
//              break;
//      case'c':
//              cout << "The population of KPK is 39,372,462";
```

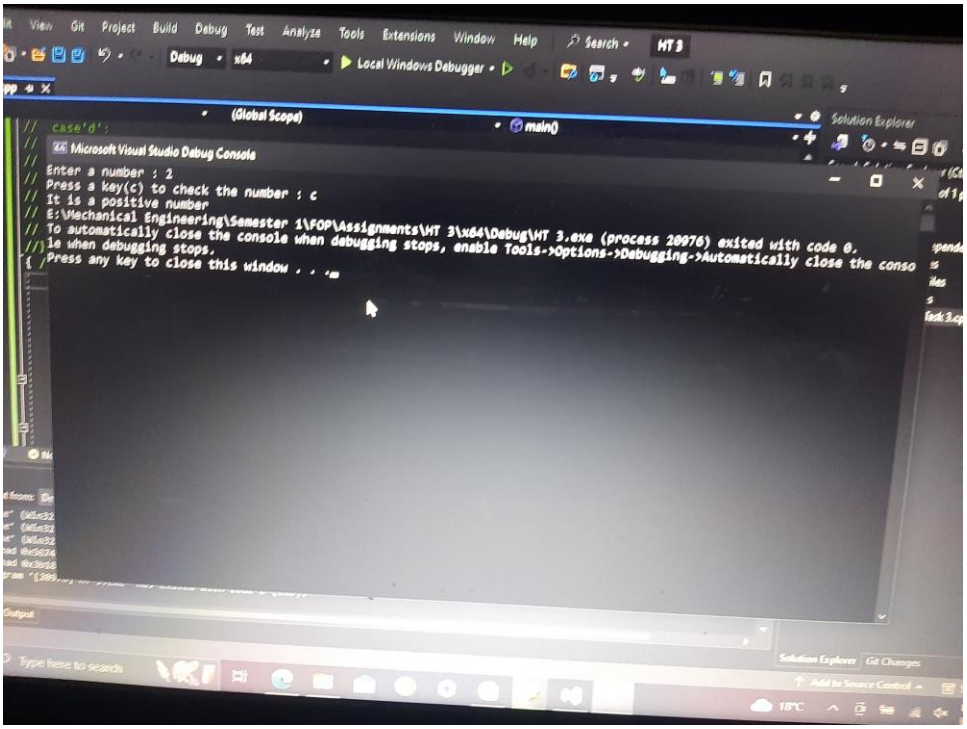
```
//              break;
//      case'd':
//              cout << "The population of BALOCHISTAN is
20,094,659";
//              break;
//      default:
//              cout << "Wrong key";
//      }
//      return 0;
//}
```




```
//{ // Task # 3
//      int a;
//      cout << "Enter a number : ";
```

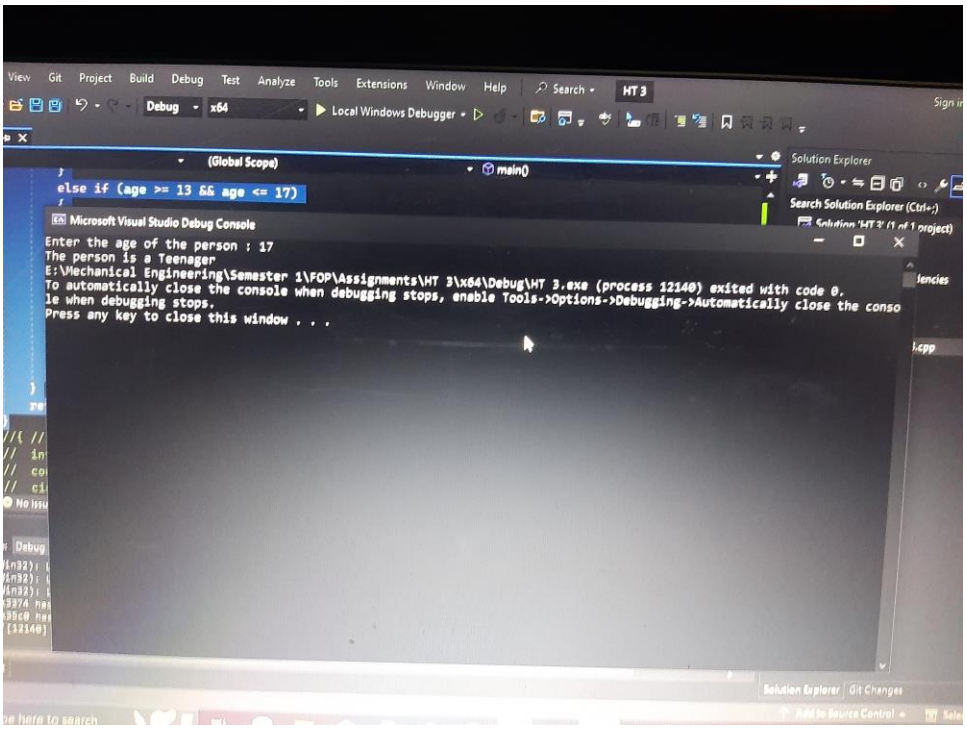
```
//	cin >> a;
//	char check;
//	cout << "Press a key(c) to check the number : ";
//	cin >> check;
//	switch (check)
//	{
//	case'c':
//		if (a > 0)
//		{
//			cout << "It is a positive number";
//		}
//		else if (a == 0)
//		{
//			cout << "It's a Zero";
//		}
//		else if (a < 0)
//		{
//			cout << "It is a negative number";
//		}
//		break;
//	default:
//		cout << "Wrong key";
```

```
//      }
//      return 0;
//}
```



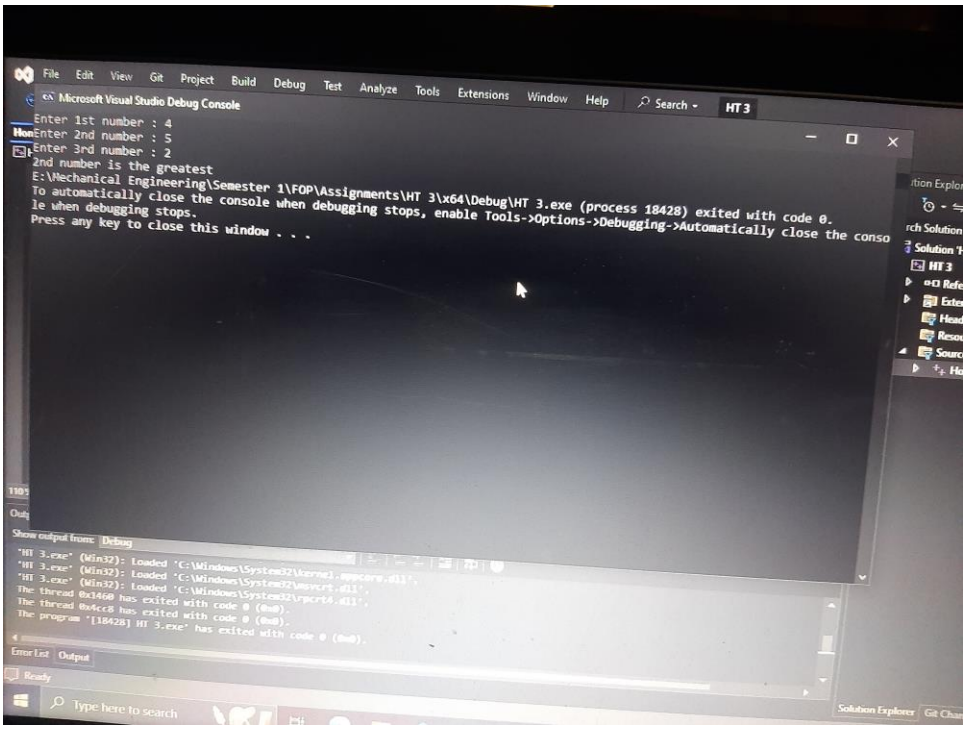

```
//{ // Task # 4
//      int age;
//      cout << "Enter the age of the person : ";
//      cin >> age;
//      if (age >= 1)
//      {
//              if (age >= 1 && age <= 12)
//              {
//                      cout << "The person is a child";
```

```
//            }
//            else if (age >= 13 && age <= 17)
//            {
//                  cout << "The person is a Teenager";
//            }
//            else if (age >= 18 && age <= 122)
//            {
//                  cout << "The person is an Adult";
//            }
//            else if (age > 122)
//            {
//                  cout << "Sorry the person is dead";
//            }
//      }
//      return 0;
//}
```



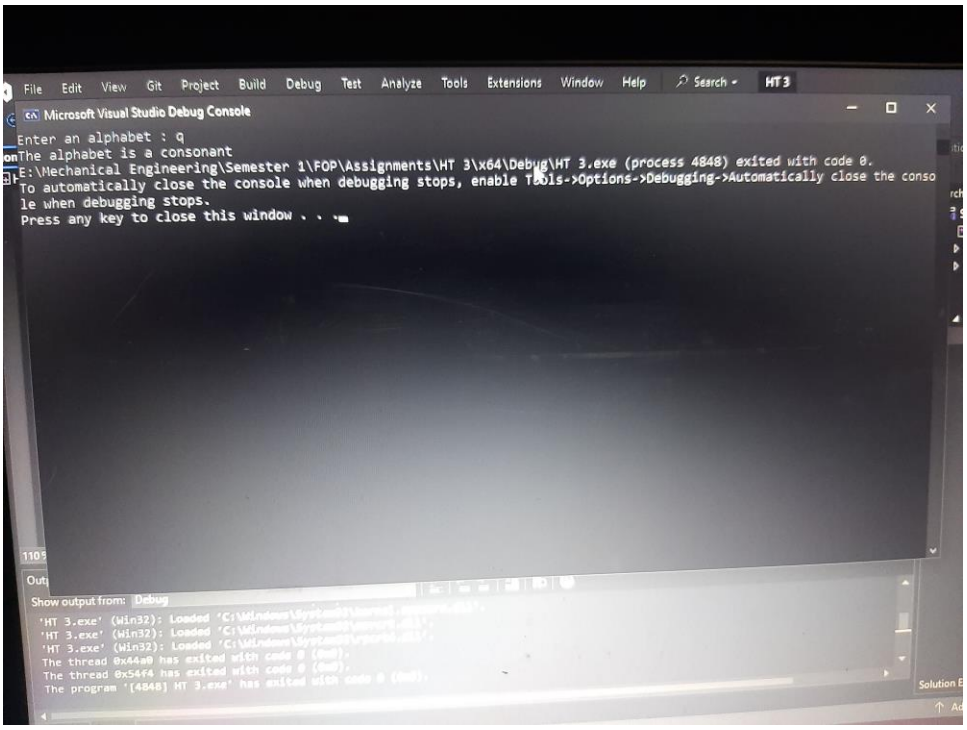

```
//{ // Task # 5
//      int a, b, c;
//      cout << "Enter 1st number : ";
//      cin >> a;
//      cout << "Enter 2nd number : ";
//      cin >> b;
//      cout << "Enter 3rd number : ";
//      cin >> c;
//      if (a > b || a > c || a < b || b > c || c > b || a < c)
//      {
//            if (a > b && a > c)
//            {
//                  cout << "1st number is the greatest";
```

```
//              }
//              else if (b > a && b > c)
//              {
//                      cout << "2nd number is the greatest";
//              }
//              else if (c > b && c > a)
//              {
//                      cout << "3rd number is the greatest";
//              }
//              else
//              {
//                      cout << "Wrong input";
//              }
//      }
//      return 0;
//}
```




```
//{ // Task # 6
//	char a;
//	cout << "Enter an alphabet : ";
//	cin >> a;
//	if (a)
//	{
//		if (a == 'a' || a == 'e' || a == 'i' || a == 'o' || a == 'u')
//		{
//			cout << "The alphabet is a vowel";
//		}
//		else if (a == 'A' || a == 'E' || a == 'I' || a == 'O' || a == 'U')
//		{
```

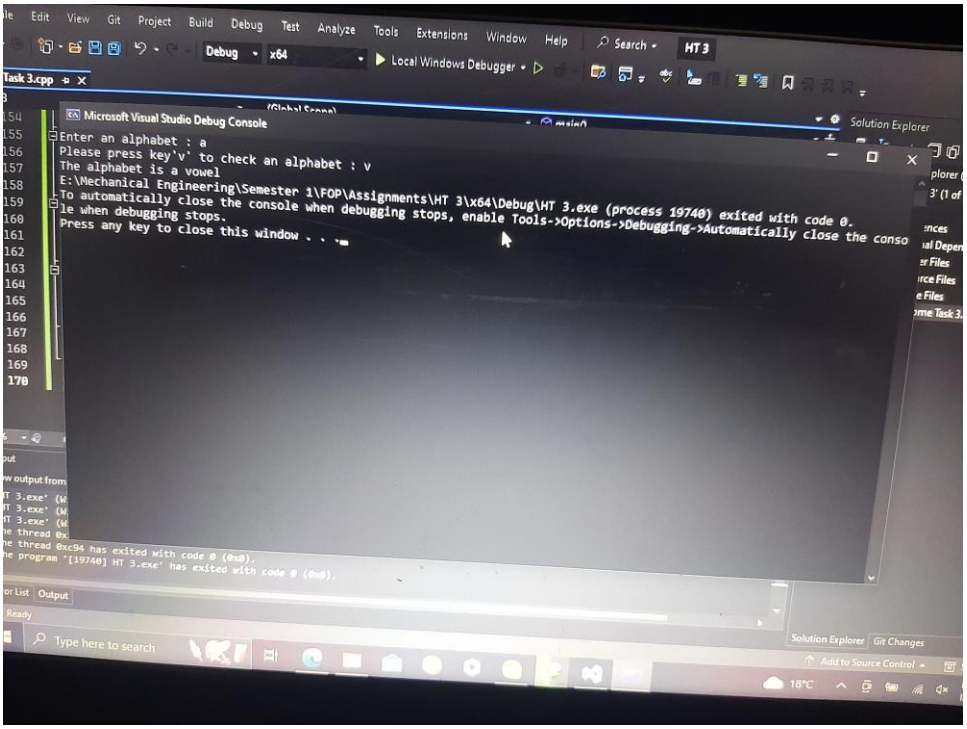
```
//                  cout << "The alphabet is a vowel";
//            }
//            else if (a == 'q' || a == 'w' || a == 'r' || a == 't' || a ==
'y' || a == 'p' || a == 's' || a == 'd' || a == 'f' || a == 'g' || a == 'h'
|| a == 'j' || a == 'k' || a == 'l' || a == 'z' || a == 'x' || a == 'c' || a
== 'v' || a == 'b' || a == 'n' || a == 'm')
//            {
//                  cout << "The alphabet is a consonant";
//            }
//            else if (a == 'Q' || a == 'W' || a == 'R' || a == 'T' || a ==
'Y' || a == 'P' || a == 'S' || a == 'D' || a == 'F' || a == 'G' || a == 'H'
|| a == 'J' || a == 'K' || a == 'L' || a == 'Z' || a == 'X' || a == 'C' || a
== 'V' || a == 'B' || a == 'N' || a == 'M')
//            {
//                  cout << "The alphabet is a consonant";
//            }
//            else
//            {
//                  cout << "It is neither a vowel nor a consonant";
//            }
//      }
//      return 0;
//}
```




```
//{ // Task # 2
//      char a, check;
//      cout << "Enter an alphabet : ";
//      cin >> a;
//      cout << "Please press key'v' to check an alphabet : ";
//      cin >> check;
//      switch (check)
//      {
//      case'v':
//              if (a == 'a' || a == 'e' || a == 'i' || a == 'o' || a == 'u')
//              {
//                      cout << "The alphabet is a vowel";
//              }
```

```
//		else if (a == 'A' || a == 'E' || a == 'I' || a == 'O' || a == 'U')
//		{
//			cout << "The alphabet is a vowel";
//		}
//		else if (a == 'q' || a == 'w' || a == 'r' || a == 't' || a == 'y' || a == 'p' || a == 's' || a == 'd' || a == 'f' || a == 'g' || a == 'h' || a == 'j' || a == 'k' || a == 'l' || a == 'z' || a == 'x' || a == 'c' || a == 'v' || a == 'b' || a == 'n' || a == 'm')
//		{
//			cout << "The alphabet is a consonant";
//		}
//		else if (a == 'Q' || a == 'W' || a == 'R' || a == 'T' || a == 'Y' || a == 'P' || a == 'S' || a == 'D' || a == 'F' || a == 'G' || a == 'H' || a == 'J' || a == 'K' || a == 'L' || a == 'Z' || a == 'X' || a == 'C' || a == 'V' || a == 'B' || a == 'N' || a == 'M')
//		{
//			cout << "The alphabet is a consonant";
//		}
//		else
//		{
//			cout << "It is neither a vowel nor a consonant";
//		}
//		break;
```

```
//      }
//      return 0;
//}
```


Microsoft Visual Studio Debug Console
Enter an alphabet : a
Please press key'v' to check an alphabet : v
The alphabet is a vowel
E:\Mechanical Engineering\Semester 1\FOP\Assignments\HT 3\x64\Debug\HT 3.exe (process 19740) 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 . . .