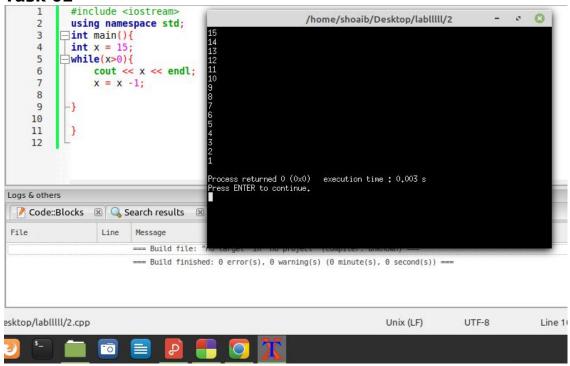
Name: Shoaib Akhtar Roll No:20P-0147

Section:BS-CS(2B)

```
#include <iostream>
      1
                                                                 /home/shoaib/Desktop/lablllll/1
                                                                                                         - 0 🕄
      2
              using namespace std;
                                                                   3 4 5
execution time : 0.003 s
                                           0 1 2
Process returned 0 (0x0)
Press ENTER to continue.
           □int main(){
      3
      4
             int x = 0;
             while(x<9)
      5
      6
           ₽{
      7
                   cout<< "\t" << x;
      8
                  x = x+1;
      9
     10
             return 0;
     11
     12
     13
Logs & others

✓ Code::Blocks 
✓ Q Search results

                    Line Message
                           === Build file: "no target" in "no project" (compiler: unknown) ===
```



```
- 0 🔞
                                                      /home/shoaib/Desktop/lablllll/3
#include <iostream>
     2
          using namespace std;
     3
         □int main(){
          int x = 0;
     4
         □while(x<25){
     5
     6
     7
              if(x%2==0)
     8
              cout << x << endl;
     9
              x = x + 1;
    10
                                      Process returned 0 (0x0) execution time : 0.003 s
                                      Press ENTER to continue.
    11
    12
    13
    14
Logs & others
Code::Blocks 🕅 🔾 Search results 🕅 💍 Debugger 🔞 🐧 Build log 🔞 🌳 Build messages
```

```
main():int
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     - 0 (3)
                                                                                                                                                                                                                                                                                                                    /home/shoaib/Desktop/lablllll/4
                                                                                                                                                                                                                      Behaviour of Post-increment

    Start here 
    ■ 1.cpp 
    ■ 2.cpp 
    ■ 3.cpp 
    ■ 4.cpp 
    ■ 4.c
                         3
                                                 ☐int main(){
                          4
                                                           int c = 5;
                                                                                                                                                                                                                      Behaviour of Pre_increment
                                                           cout << "Behaviour of Post-in
                         5
                                                           cout << c++ << endl;
                         6
                                                           cout << c << endl;
                         8
                                                          c = 5;
                                                                                                                                                                                                                        Process returned 0 (0x0) execution time : 0,003 s
Press ENTER to continue,
                         9
                                                          cout << "Behaviour of Pre_inc</pre>
                    10
                    11
                                                          cout << ++c<< endl;
                    12
                                                           cout << c << endl;
                    13
                                                           return 0;
                    14
                    15
                    16
                    17
Logs & others

✓ Code::Blocks 
✓ Search results 
✓ Debugger 
✓ Build log 
✓ Build messages 
✓
```

```
▼ main():int
                                                                /home/shoaib/Desktop/lablllll/5
                                                                                                     - 0 🛭
                                            The sum of first 100 numbers is:
4 Start here 図 1.cpp 図 2.cpp 図 3.cpp 図
                                             Process returned O (0xO) execution time : 0.002 s
Press ENTER to continue.
            # include <iostream>
            using namespace std;
     3
            int main(){
            int number = 1;
     5
            int sum = \theta;
            while(number<=100){
     6
                sum = sum + number; //
     8
                number++;
     9
    10
                cout << "The sum of first
    11
    12
    13
Logs & others
 📝 Code::Blocks 🗷 🔾 Search results 🗷 💢 Debugger 🗷 🔅 Build log 🗷 🥀 Build messages 🗵
```

```
main():int
                                                           /home/shoaib/Desktop/lablllll/6
                                         the sum of first 100 Even numbers is: 2550
Process returned 0 (0x0) execution time : 0,002 s
Press ENTER to continue,
          int main(){
    3
    4
           int sum;
           int number=1;
    5
           while(number <=100)</pre>
    6
    8
    9
               if(number%2==0)
   10
   11
               sum+=number;
   12
   13
           number++;
   14
           cout<< "the sum of first " <
   15
   16
   17
Logs & others
 Code::Blocks 🗷 🔾 Search results 🗷 💆 Debugger 🗷 💆 Build log 🗷 🦩 Build messages 🗷
```

```
/home/shoaib/Desktop/lablllll/7
                                                                                                                                                                                                                                           The sum of first 100 odd is: 2500
         Start here 🗷 1.cpp 🕱 2.cpp 🕱 3.cpp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9.cp
                                                                                                                                                                                                                                         Process returned 0 (0x0) execution time : 0,005 s
Press ENTER to continue.
                      2
                                                            using namespace std;
                      3
                                                            int main(){
                                                            int number = 1;
                      4
                      5
                                                           int sum;
                                                            while(number<=100)
                      6
                                                                                  if(number%2 !=0)
                      7
                      8
                                                                                                             sum = sum + number;
                      9
                 10
                11
                                                           number++;
                 12
                 13
                                                            cout << "The sum of first "</pre>
                 14
                15
ogs & others

    Code::Blocks 
    Search results 
    Debugger 
    Build log 
    P Build messages 
    Build log 
    P Build messages 
    Code::Blocks 
    Debugger 
    Deb
```

Home Task

```
main(): int
                                                                                             /home/shoaib/Desktop/lablllll/hometast-1
                ■ 1.cpp ■ 2.cpp ■ 3.cpp ■ Enter student_1 marks 65

cout<<"Enter student 6 marks
cin>>student 6;
cout<<"Enter student_3 marks 45
Enter student_4 marks 45
Enter student_5 marks 45
Enter student_6 marks 45
Enter student_6 marks 47
Enter student_6 marks 47
Enter student_8 marks 47
Enter student_8 marks 48
Enter student_8 marks 49
Enter student_9 marks 97
Enter student_9 marks 97
Enter student_10 marks 77

Enter student_10 marks 87
Enter student_10 marks 87
Enter student_10 marks 87
 Start here
                  17
    18
    19
    20
    21
    22
                 cin>>student 8;
                                                                     Enter student_10 marks 77
    23
                cout<<"Enter student 9 marks
                                                                      The sum of the the grades is 520
                24
                                                                                                         execution time: 26,180 s
    25
   26
                cin>>student 10;
    27
                sum = student 1+student 2+stu
    28
                average = sum/10;
                cout << " The sum of the the
    29
    30
    31
gs & others
🖊 Code::Blocks 🗵 🔍 Search results 🗵 👸 Debugger 🗵 🐧 Build log 🗷 🥐 Build messages 🗵
```

```
₩ 🕹 🗵
                                 ¥ 3
                                main():int
                                                                           /home/shoaib/Desktop/lablllll/8
                                                                                                                      - 0 🔞
                                                    Enter character(a-z) to guess: a
Enter character(a-z) to guess: s
congratulations...
Process returned 0 (0x0) execution time : 3,400 s
Press ENTER to continue.
 ◆ Start here ※ 1.cpp ※ 2.cpp ※ 3.cpp
       3
             □int main(){
               int tryNo = 0;
       4
       5
               char guess ;
       6
             □do {
                    cout << "Enter character(
       7
                    cin >> guess;
       8
       9
                    if (guess == 's'){
                         cout <<"congratulatio</pre>
     10
                         break ; // or here
     11
     12
     13
                    else {
     14
                         tryNo ++ ;
     15
     16
     17
                      while (tryNo < 5);
Logs & others

✓ Code::Blocks ⋈ Q Search results ⋈ Debugger ⋈ Debugger ⋈ Debugger ⋈ Puild log ⋈ Puild messages ⋈
```

```
▼ | main():int
                                                                                                        - 0 🔞
                                                                  /home/shoaib/Desktop/lablllll/9
                                              the sum of first 100 number is; 5050

√ Start here 

✓ 1.cpp 
✓ 2.cpp 
✓ 3.cpp

                                                                                                                    9.cp
                                              Process returned 0 (0x0) execution time : 0,003 s
Press ENTER to continue.
             using namespace std;
     3
           ∃int main (){
     4
            int number = 1;
     5
            int sum = 0;
     6
            do
     7
     8
                  sum = sum + number ;
     9
                  number++;
    10
    11
            while ( number <= 100);</pre>
            cout << "the sum of first "
    12
    13
            cout << " number is;\t " << s
    14
    15
Logs & others
 📝 Code::Blocks 🗵 🔍 Search results 🗵 🌣 Debugger 🗷 🔖 Build log 🗷 🦸 Build messages 🗵
```

```
main(): int
                                                                  /home/shoaib/Desktop/lablllll/10
                                                                                                          - 0 🔞
                                               the sum of first 100 Even numbers is : 2550
                                               Process returned 0 (0x0) execution time : 0.004 s
Press ENTER to continue.

√ Start here 

✓ 1.cpp 
✓ 2.cpp 
✓ 3.cpp

                                                                                                                       9.cp
      5
             int number=1;
      6
             do
     7
          ⊟{
      8
                 if(number%2==0)
     9
    10
    11
                 sum+=number;
    12
    13
            number++;
            -}while(number <=100);
    14
             cout<< "the sum of first " <
    15
    16
    17
    18
            }
    19
Logs & others

✓ Code::Blocks 
✓ Search results 
✓ Debugger 
✓ Build log 
✓ Build messages 
✓
```

```
main():int
                                                                  /home/shoaib/Desktop/lablllll/11
                                                                                                         - 2 🔾
                                              The sum of first 100 odd is :
  Start here 🕱 1.cpp 🕱 2.cpp 🕱 3.cpp
                                              Process returned 0 (0x0)
Press ENTER to continue.
                                                                     execution time : 0.002 s
            using namespace std;
     3

_int main(){
            int number = 1;
     4
     5
            int sum;
     6
            do
                 if(number%2 !=0)
     8
     9
                      sum = sum + number;
    10
    11
            number++;
            }while(number<=100);</pre>
    12
    13
            cout << "The sum of first "</pre>
    14
    15
    16
Logs & others
 🏿 Code::Blocks 🗵 🔍 Search results 🗵 🔅 Debugger 🗷 🔅 Build log 🗷 🦿 Build messages 🗵
```

```
main():int
                                                                                              - 0 🔞
                                                           /home/shoaib/Desktop/lablllll/12
                  Start here 🗷 1.cpp 🗷 2.cpp 🗷 3.cpp
     4
               int counter = 1;
    5
               do
    6
     7
    8
    9
   10
                                          Process returned 0 (0x0) execution time : 0,002 s
Press ENTER to continue.
   11
   12
   13
               while (counter <=10);
   14
   15
   16
   17
   18
Logs & others
 📝 Code::Blocks 🗵 🔍 Search results 🗵 💆 Debugger 🗵 💸 Build log 🗵 📌 Build messages 🗵
```

```
main():int
                                                                  /home/shoaib/Desktop/lablllll/13
                                              The sum of first 100 number is :
Process returned 0 (0x0) execution time : 0,005 s
Press ENTER to continue.
           using namespace std;
□int main(){
     2
     3
     4
            int number;
     5
             int sum = 0;
     6
            for (number = 1; number <=106</pre>
     8
                 sum = sum + number ;
     9
    10
    11
            cout << "The sum of first "<<
cout << " number is : \t " <</pre>
    12
    13
    14
    15
    16
Logs & others
  📝 Code::Blocks 🗷 🔍 Search results 🗵 🔅 Debugger 🗷 🔅 Build log 🗵 🕈 Build messages 🗷
```

```
main():int
                                                                                                     - 0 🔞
                                                               /home/shoaib/Desktop/labllll/14
1 1.cpp ৷ 2.cpp ৷ 3.cpp ৷ 4.cpp ৷ 5.cp the sum of first 0even numbers is:
                                                                               2550
                                            Process returned 0 (0x0) execution time : 0,002 s
Press ENTER to continue.
            # include <iostream>
     2
            using namespace std;
     3
          □int main(){
                int sum = 0;
     4
                int number ;
     5
                for (int number = 0; numb
     6
     7
                    if (number%2 == 0) {
     8
                         sum = sum + numbe
     9
   10
                cout << "the sum of first
   11
   12
                cout << "even numbers is:
   13
   14
   15
ogs & others
 📝 Code::Blocks 🕱 🔍 Search results 🗵 💢 Debugger 🗷 🤯 Build log 🔞 🥐 Build messages 🗷
```

```
main():int
                                                                                                               - 0 (3
                                                                      /home/shoaib/Desktop/lablllll/15

√ 2.cpp 

⊗ 3.cpp 
⊗ 4.cpp 
⊗ 5.cpp 
⊗ 6.cf 
the sum of first 100 odd numbers is:

                  int number;

for (int number = 0; number = 0; number)

Process returned 0 (0x0) execution time: 0,002 s

Press ENTER to continue.
     6
                     if (number%2 != 0)
     7
                  {
                            sum = sum + numbe
     8
     9
    10
                  cout << "the sum of first
    11
                  cout << "odd numbers is:\
    12
    13
    14
    15
    16
    17
    18
    19
.ogs & others
 📝 Code::Blocks 🔞 🔍 Search results 🔞 🐞 Debugger 🔞 🤵 Build log 🔞 🥍 Build messages 🗵
```

```
| Table | Tab
```

```
main():int
                                                                /home/shoaib/Desktop/lablllll/18
  5.cpp 🗷 6.cpp 🕱 7.cpp 🗷 hometast-1.cpp
    3
         _int main(){
    4
           for ( int i =0; i < 5; i++ )
    5
                for ( int j =0; j<5; j++) Process returned 0 (0x0) execution time : 0.002 s
Press ENTER to continue.
    6
    7
    8
                     cout << "*";
    9
   10
                cout << endl;
   11
   12
   13
   14
   15
   16
   17
ogs & others
📝 Code::Blocks 🗵 🔍 Search results 🗵 🐧 Debugger 🗵 🥻 Build log 🗵 🥐 Build messages 🗵
```

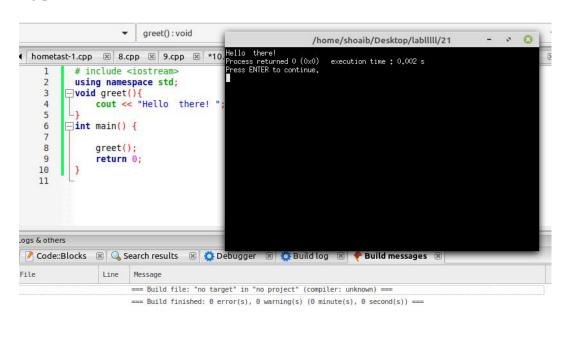
```
main():int
                                                               /home/shoaib/Desktop/labllll/19
                                                                                                      - 0 (3)
 6.cpp ★ 7.cpp ★ hometast-1.cpp ★ 8.cp
    2
           using namespace std;
         3
    4
               int i ;
                                            Its lipne after break execution
Process returned 0 (0x0) execution time : 0,002 s
               for (i =1; i<=10; i++)
    5
                                            Press ENTER to continue.
    6
                    cout << i << endl;</pre>
    7
    8
                    if (i ==5)
    9
                    break;
   10
   11
   12
               cout << "Its lipne after</pre>
   13
   14
   15
gs & others
📝 Code::Blocks 🕱 🔍 Search results 🕱 🐞 Debugger 🗷 🤯 Build log 🗷 🧚 Build messages 🗷
```

```
main(): int
                                                                  /home/shoaib/Desktop/lablllll/20
        hometast-1.cpp 🖹 8.cpp 🖹 9.cp
            # include <iostream>
    2
           using namespace std;
         int main(){
    int i;
    for ( i = 1; i<=10; i++) 9
10
    3
    4
                         Process returned 0 (0x0) execution time : 0,005 s

continue ;

cout << i << endl
    5
    6
    7
    8
    9
   10
   11
   12
   13
   14
ogs & others

✓ Code::Blocks 
✓ Q Search results 
✓ Debugger 
✓ Build log 
✓ Build messages 
✓
```



```
func(): void
                                                                                                           - 0 🔞
                                                                   /home/shoaib/Desktop/lablllll/22
                                                i= 1 and j= 1
i= 2 and j= 1
i= 3 and j= 1
 *10.cpp 🗷 11.cpp 🗷 12.cpp 🕱 13.cpp
     2
            using namespace std;
     3
          = void func() {
                                               Process returned 0 (0x0)
Press ENTER to continue.
                                                                       execution time : 0.002 s
     4
                 static int i=0;
     5
                 int j=0;
     6
                 i++;
     7
                 j++;
     8
                 cout<< " i= " << i<<" an
     9
    10
          11
                 func();
    12
                 func();
    13
                 func();
    14
                 return 0;
    15
    16
Logs & others
  🎤 Code::Blocks 🕱 🔍 Search results 🗵 💆 Debugger 🔞 🐧 Build log 🗷 \oint Build messages 🗵
```

```
add(int a, int b): int
                                                                                                     - 0 🔞
                                                                /home/shoaib/Desktop/lablllll/23
                                              100 + 78 = 178

◆ *10.cpp ※ 11.cpp ※ 12.cpp ※ 13.cpp
                                             Process returned 0 (0x0) execution time : 0.002 s
Press ENTER to continue.
            # include<iostream>
     1
     2
            using namespace std;
     3
          □int add(int a, int b){
     4
     5
                 return (a+b);
     6
     7

_int main(){
     8
                 int sum;
                 sum = add(100,78);
     9
                 cout << " 100 + 78 = " <<
    10
                 return 0;
    11
    12
    13
Logs & others
🌈 Code::Blocks 🗵 🔍 Search results 🗵 🔅 Debugger 🗵 🐧 Build log 🗵 🥐 Build messages 🗵
```

```
main(): int
                                                              /home/shoaib/Desktop/lablllll/24
                                           100+78 = 178

◆ *10.cpp ※ 11.cpp ※ 12.cpp ※ 13.cpp

                                           Process returned 0 (0x0) execution time : 0,002 s
Press ENTER to continue.
     2
            using namespace std;
            int add(int, int);
     3
     4
     5

    int main(){

                int sum;
     6
     7
                sum = add(100,78);
     8
     9
                cout << "100+78 = " << su
    10
    11
                return 0;
    12
          13
    14
                return (a+b);
    15
    16
Logs & others
  🌶 Code::Blocks 🔞 🔍 Search results 🗵 💆 Debugger 🔞 🤵 Build log 🗷 🦸 Build messages 🔘
```

```
main(): int
                                                                /home/shoaib/Desktop/lablllll/25
                                            max value is : 200

√ 11.cpp ※ 12.cpp ※ 13.cpp ※ 14.cpp

                                            Process returned 0 (0x0) execution time : 0.002 s
Press ENTER to continue.
                int ret;
     8
     9
                 ret = max(a,b);
    10
                cout << "max value is :
                return 0;
    11
    12

int max(int num1, int num2){
    13
    14
                int result;
    15
                if (num1 > num2)
    16
                     result = num1;
    17
                else
    18
                     result = num2;
    19
                return result;
    20
    21
Logs & others
 🏿 Code::Blocks 🗷 🔍 Search results 🗷 🔅 Debugger 🗷 🤯 Build log 🗷 🥐 Build messages 🗵
```

```
main():int
                                                                 /home/shoaib/Desktop/lablllll/26.
                                             square root of 25 * 5
Process returned 0 (0x0) execution time : 0.005 s
Press ENTER to continue.
1 12.cpp 🗷 13.cpp 🗷 14.cpp 🗷 15.cpp
            # include <cmath>
     3
            using namespace std;
     4
            int main()
     5
         ⊟{
                double number, squareRoot
     6
                number = 25.0;
     7
     8
    9
                squareRoot = sqrt(number)
   10
                cout << "square root of
   11
   12
   13
                return 0;
   14
   15
ogs & others
 📝 Code::Blocks 🔞 🔍 Search results 🔞 🐞 Debugger 🔞 🌼 Build log 🔞 🥐 Build messages 🗷
                line Message
```