

The image shows a C++ IDE with a project named "globals". The main.cpp file contains the following code:

```
1 #include<iostream>
2
3 using namespace std;
4 float CircleArea(int);
5 int main(){
6     float A;
7     int radius;
8     printf("\nEnter the Radius of Circle:");
9     scanf("%d",&radius);
10    A=CircleArea(radius);
11    printf("\nArea of Circle: %f",A);
12    return 0;
13 }
14
15 float CircleArea(int r){
16     return 3.14*r*r;
17 }
```

The output window shows the execution results:

```
C:\Users\Person\Desktop\C++_DSA_Placement_Bootcamp\Basics_Program\main.exe
Enter the Radius of Circle:5
Area of Circle: 78.500000
-----
Process exited after 4.43 seconds with return value 0
Press any key to continue . . .
```

The status bar at the bottom indicates: Line: 11, Col: 15, Sel: 0, Lines: 17, Length: 309, Insert, Done parsing in 0.015 seconds.

The image shows a C++ IDE with a project named "globals". The main.cpp file contains the following code:

```
1 #include<iostream>
2
3 using namespace std;
4 float SimpleInterest(int,int,int);
5 int main(){
6     float A;
7     int p,n,r;
8     printf("\nPrinciple Amount: ");
9     scanf("%d",&p);
10    printf("\nNo of Years: ");
11    scanf("%d",&n);
12    printf("\nRate Of Interest: ");
13    scanf("%d",&r);
14    A=SimpleInterest(p,n,r);
15    printf("\nSimple Interest: %f",A);
16    return 0;
17 }
18
19 float SimpleInterest(int p,int r,int n){
20     re float SimpleInterest (int p, int r, int n)
21 }
```

The console window shows the output of the program:

```
Principle Amount: 50000
No of Years: 5
Rate Of Interest: 12
Simple Interest: 30000.000000
-----
Process exited after 12.77 seconds with return value 0
Press any key to continue . . .
```

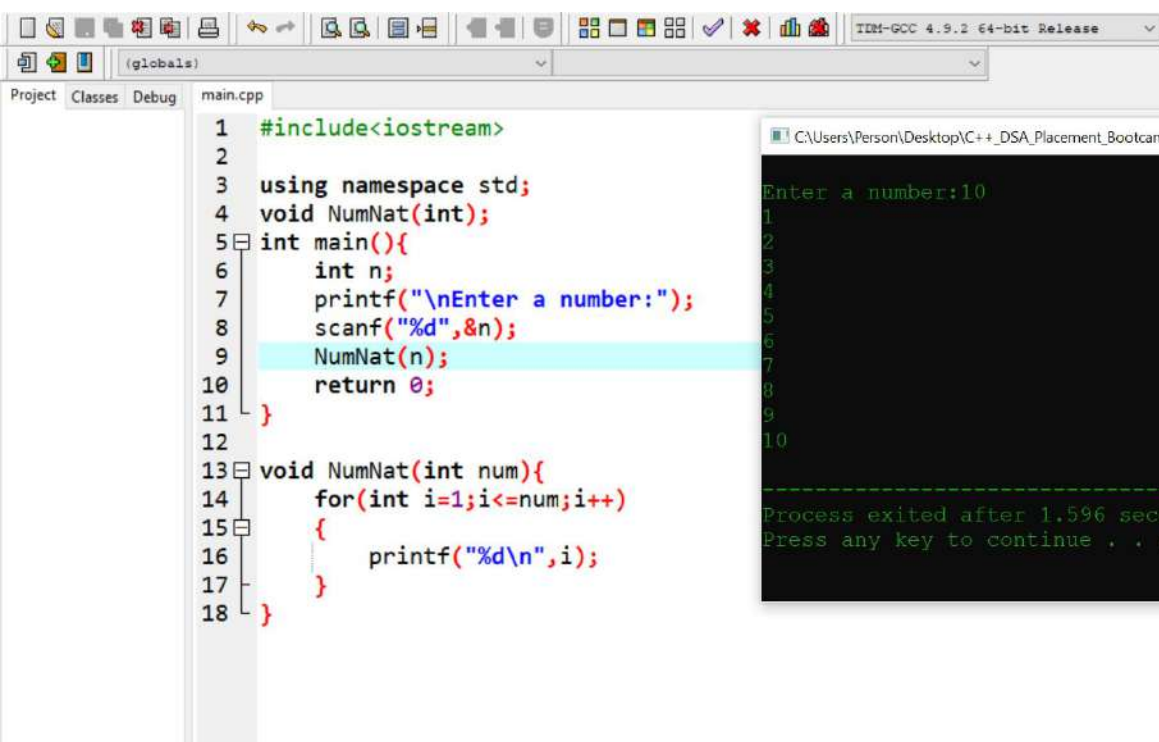


```
1 #include<iostream>
2
3 using namespace std;
4 int isEven(int);
5 int main(){
6     int n,p;
7     printf("\nEnter a number: ");
8     scanf("%d",&n);
9     p=isEven(n);
10    if(p==1)
11        printf("EVEN");
12    if(p==0)
13        printf("ODD");
14    return 0;
15 }
16 int isEven(int num){
17     if(num%2==0)
18         return 1;
19     if(num%2!=0)
20         return 0;
21 }
22 }
```

C:\Users\Person\Desktop\C++_DSA_Placement_Bootcamp\Basics_Program\main.exe

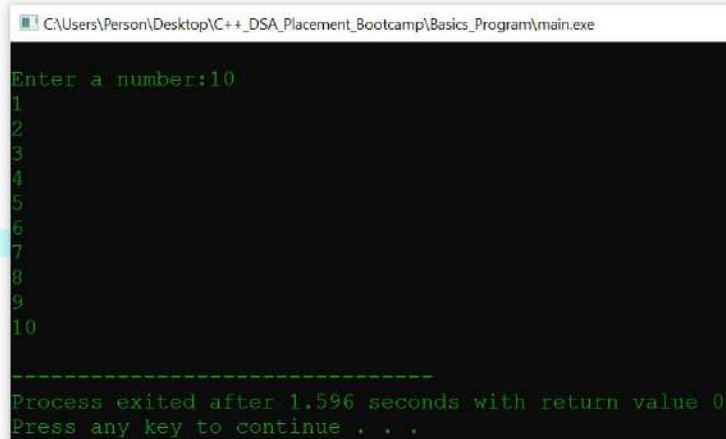
```
Enter a number: 67
ODD
-----
Process exited after 2.192 seconds with return value 0
Press any key to continue . . .
```

Line: 14 Col: 1 Sel: 0 Lines: 22 Length: 329 Insert Done parsing in 0.047 seconds



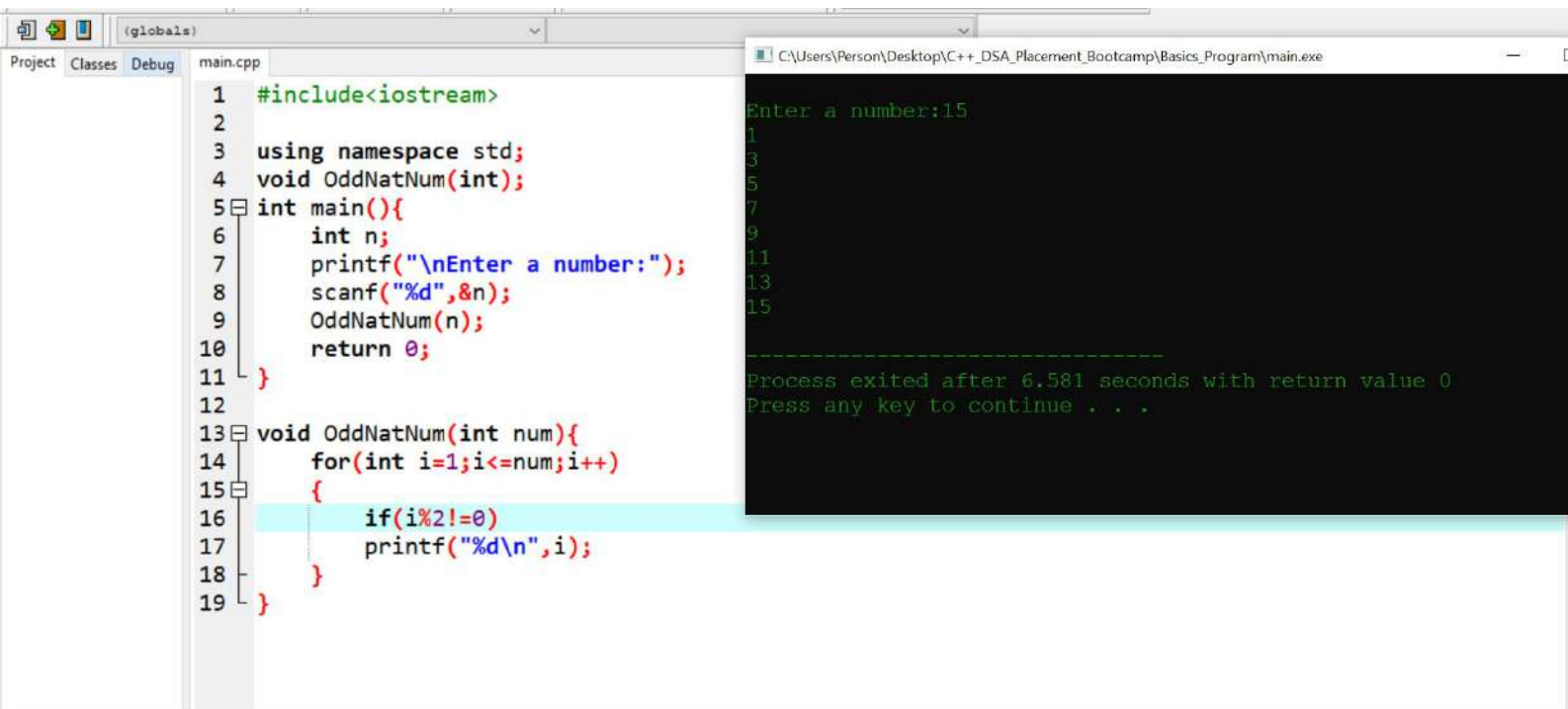
The screenshot shows a C++ IDE with a toolbar at the top and a menu bar with 'Project', 'Classes', and 'Debug'. The toolbar includes icons for file operations, running, and debugging. The menu bar shows 'Project', 'Classes', and 'Debug'. The toolbar also includes a dropdown menu for the compiler, currently set to 'TDM-GCC 4.9.2 64-bit Release'. The main editor window shows the file 'main.cpp' with the following code:

```
1 #include<iostream>
2
3 using namespace std;
4 void NumNat(int);
5 int main(){
6     int n;
7     printf("\nEnter a number:");
8     scanf("%d",&n);
9     NumNat(n);
10    return 0;
11 }
12
13 void NumNat(int num){
14     for(int i=1;i<=num;i++)
15     {
16         printf("%d\n",i);
17     }
18 }
```



The screenshot shows a Windows command prompt window titled 'C:\Users\Person\Desktop\C++_DSA_Placement_Bootcamp\Basics_Program\main.exe'. The output of the program is as follows:

```
Enter a number:10
1
2
3
4
5
6
7
8
9
10
-----
Process exited after 1.596 seconds with return value 0
Press any key to continue . . .
```



The image shows a C++ IDE with a project named "globals". The file "main.cpp" is open, showing the following code:

```
1 #include<iostream>
2
3 using namespace std;
4 void OddNatNum(int);
5 int main(){
6     int n;
7     printf("\nEnter a number:");
8     scanf("%d",&n);
9     OddNatNum(n);
10    return 0;
11 }
12
13 void OddNatNum(int num){
14     for(int i=1;i<=num;i++)
15     {
16         if(i%2!=0)
17             printf("%d\n",i);
18     }
19 }
```

The output window shows the execution of the program. It prompts the user to "Enter a number:15" and displays the odd numbers from 1 to 15. The program then exits with a return value of 0.

```
Enter a number:15
1
3
5
7
9
11
13
15
-----
Process exited after 6.581 seconds with return value 0
Press any key to continue . . .
```



Project Classes Debug

main.cpp

```
1 #include<iostream>
2
3 using namespace std;
4 int Fact(int);
5 int main(){
6     int number,f;
7     printf("\nEnter a number: ");
8     scanf("%d",&number);
9     f=Fact(number);
10    printf("Factorial of %d = %d",number,f);
11    return 0;
12 }
13 int Fact(int num){
14     int fact=1,s;
15     for(int i=1;i<=num;i++)
16         s=fact=fact*i;
17     return s;
18 }
19
20
```

C:\Users\Person\Desktop\C++_DSA_Placement_Bootcamp\Basics_Program\main.exe

```
Enter a number: 6
Factorial of 6 = 720
-----
Process exited after 3.614 seconds with return val
Press any key to continue . . .
```

Line: 10 Col: 29 Sel: 0 Lines: 20 Length: 326 Insert Done parsing in 0.015 seconds

```

1: #include<iostream>
2:
3: using namespace std;
4: int nFact(int);
5: int rFact(int);
6: int Sub(int,int);
7: int nCr(int,int);
8: int main(){
9:     int n,r,f1;
10:    printf("\nn: ");
11:    scanf("%d",&n);
12:    printf("\nr: ");
13:    scanf("%d",&r);
14:    f1=nCr(n,r);
15:    printf("\nPossible %d combinations of %d selected items: %d",
        n,r,f1);
16:    return 0;
17: }
18: int nFact(int num){
19:     int s,fact=1;
20:     for(int i=1;i<=num;i++)
21:         s=fact=fact*i;
22:     return s;
23: }
24: int rFact(int num){
25:     int s,fact=1;
26:     for(int i=1;i<=num;i++)
27:         s=fact=fact*i;
28:     return s;
29: }
30: int Sub(int a,int b){
31:     int c;
32:     c=a-b;
33:     int s,fact=1;
34:     for(int i=1;i<=c;i++)
35:         s=fact=fact*i;
36:     return s;
37: }
38: int nCr(int n, int r){
39:     int f1,f2,f3;
40:     f1=nFact(n);
41:     f2=rFact(r);
42:     f3=Sub(n,r);

```

```
43:     int f4;  
44:     f4=(f1/(f2*f3));  
45:     return f4;  
46: }  
47:
```