

C++ question1.cpp > main()

```
1 // Write a function to print squares of first n natural numbers, taking n as argument to the function
2 #include<iostream>
3 using namespace std;
4 void square(int n){
5     for(int i=1;i<=n;i++){
6         cout<<i*i<<" ";
7     }
8 }
9 int main(){
10     int n;
11     cout<<"Enter the number : ";
12     cin>>n;
13     square(n);
14 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\SANDEEP\Desktop\coding\c++\class assignment\function> cd "c:\Users\SANDEEP\Desktop\coding\c++\class assignment\function"

o question1 } ; if (\$?) { .\question1 }

Enter the number : 10

1 4 9 16 25 36 49 64 81 100

PS C:\Users\SANDEEP\Desktop\coding\c++\class assignment\function> █

C++ question2.cpp >  area(int)

```
1 // Write a function that takes the radius of a circle as an argument and returns its area.
2 #include<iostream>
3 using namespace std;
4 void area(int n){
5     cout<<3.14*n*n<<" "<<"sq units.";
6 }
7 int main(){
8     int rad;
9     cout<<"Enter the radius : ";
10    cin>>rad;
11    area(rad);
12 }
```

PROBLEMS

OUTPUT

DEBUG CONSOLE


TERMINAL

PORTS

```
PS C:\Users\SANDEEP\Desktop\coding\c++\class assignment\function> cd "c:\Users\SANDEEP\Desktop\coding\o question2 } ; if ($?) { .\question2 }
```

```
Enter the radius : 10
```

```
314 sq units.
```

```
PS C:\Users\SANDEEP\Desktop\coding\c++\class assignment\function> 
```

C++ question3.cpp > main()

```
1  //: Given two numbers a and b, write a function to print all odd numbers between them.
2  #include<iostream>
3  using namespace std;
4  void odd(int a, int b){
5      for(int i=a;i<=b;i++){
6          if(a>b) cout<<"Invalid input.";
7          else if(i%2!=0) cout<<i<<" ";
8      }
9  }
10 int main(){
11     int a,b;
12     cout<<"Enter the first (smaller) number : ";
13     cin>>a;
14     cout<<"Enter the second(larger) number : ";
15     cin>>b;
16     odd(a,b);
17 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Code + v

```
PS C:\Users\SANDEEP\Desktop\coding\c++\class assignment\function> cd "c:\Users\SANDEEP\Desktop\coding\c++\class assignment\function\" ; if ($?) { g++
o question3 } ; if ($?) { .\question3 }
Enter the first (smaller) number : 3
Enter the second(larger) number : 98
3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83 85 87 89 91 93 95 97
PS C:\Users\SANDEEP\Desktop\coding\c++\class assignment\function> 
```

question4.cpp > count(int)

```
1 // Write a function to count the number of digits in a number and then print the square of this number.
2 #include<iostream>
3 using namespace std;
4 void count(int n){
5     int k=0;
6     while(n>0){
7         n/=10;
8         k++;
9     }
10    cout<<k<<endl;
11 }
12 void square(int n){
13     cout<<n*n;
14 }
15 int main(){
16     int n;
17     cout<<"Enter the number : ";
18     cin>>n;
19     count(n);
20     square(n);
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\SANDEEP\Desktop\coding\c++\class assignment\function> cd "c:\Users\SANDEEP\Desktop\coding\c++\class
o question4 } ; if ($?) { .\question4 }
Enter the number : 999
3
998001
PS C:\Users\SANDEEP\Desktop\coding\c++\class assignment\function>
```

 question5.cpp

```
1 // The minimum number of functions present in any C++ program is:
2 // 1. 0
3 // 2. 1
4 // 3. 2
5 // 4. Infinite
6
7 // answer:- 1. 0
```

C++ question6.cpp

```
1 // State True and False:
2 // 1. A function may be called more than once from any other function
3 // 2. It is necessary for a function to return some value.
4
5 // answer :- 1) true.
6 //           2) false
```

 question7.cpp

```
1 // Can the same function name be used for different functions without any conflict?  
2 // answer:-- yes, with different parameters.
```