```
PS C:\Users\ASUS\Documents\CODING> cd "c:\Users\ASUS\Documents\C
ODING\OOP WITH C++\Program 6"
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 6>g++ Pat
tern-Pyramid.cpp -o Pattern-Pyramid ; if ($?) { ./Pattern-Pyrami
d }
ENter the Number of Rows -: 5
*
***
*****
*******
*********
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 6>
```

```
TERMINAL                          >_ Code - Program 1  + ∨  ⊟  🗑  …  ✕

PS C:\Users\ASUS\Documents\CODING> cd "c:\Users\ASUS\Documents\C
ODING\OOP WITH C++\Program 1"
● PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 1> g++ He
● lloWorld.c++ -o HelloWorld ; if ($?) { ./HelloWorld }
Hello World
○ PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 1>
```

```
PS C:\Users\ASUS\Documents\CODING> cd "c:\Users\ASUS\Documents\C
ODING\OOP WITH C++\Program 4"
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 4> g++ Ch
eckEqual.cpp -o CheckEqual ; if ($?) { ./CheckEqual }
Enter The First Number -: 5
Enter The Second Number -: 10
Both Numbers Are not Equal
The First Number -: 5
The Second Number -: 10
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 4> g++ Ch
eckEqual.cpp -o CheckEqual ; if ($?) { ./CheckEqual }
Enter The First Number -: 10
Enter The Second Number -: 10
Both Numbers Are Equal
The First Number -: 10
The Second Number -: 10
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 4>
```

```
PS C:\Users\ASUS\Documents\CODING> cd "c:\Users\ASUS\Documents\C
ODING\OOP WITH C++\Program 5"
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 5> g++ Re
verse.cpp -o Reverse ; if ($?) { ./Reverse }
Enter The Number -: 256
Number = 256
Reversed Number = 652
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 5>
```

```
PS C:\Users\ASUS\Documents\CODING> cd "c:\Users\ASUS\Documents\C
ODING\OOP WITH C++\Program 7"
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 7> g++ Nu
mberGessingGame.cpp -o NumberGessingGame ; if ($?) { ./NumberGes
singGame }
Enter minimum number: 1
Enter maximum number: 10
Enter Your Guess -: 5
Too High, Try Again
Enter Your Guess -: 6
Too High, Try Again
Enter Your Guess -: 4
Too High, Try Again
Enter Your Guess -: 3
Condrats, You Guessed Correct, The Correct Number is 3
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 7>
```

```
PS C:\Users\ASUS\Documents\CODING> cd "c:\Users\ASUS\Documents\C
ODING\OOP WITH C++\Program 12"
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 12> g++ c
lassStudent.cpp -o classStudent ; if ($?) { ./classStudent }
Name: Ishan Ahmed
ID: S123
Grades: 85 90 88
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 12>
```

```
PS C:\Users\ASUS\Documents\CODING> cd "c:\Users\ASUS\Documents\C
ODING\OOP WITH C++\Program 13"
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 13> g++ E
mployeeManagement.cpp -o EmployeeManagement ; if ($?) { ./Employ
eeManagement }
Name: Ishan Ahmed
ID: E123
Position: Software Developer
Salary: 75000
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 13>
```

```
PS C:\Users\ASUS\Documents\CODING> cd "c:\Users\ASUS\Documents\C
ODING\OOP WITH C++\Program 8"
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 8> g++ Re
curcive-Factorial.cpp -o Recurcive-Factorial ; if ($?) { ./Recur
cive-Factorial }
Enter A Number -: 5
The Factorial of the Number -: 5 is -: 120
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 8>
```

```
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 9> g++ Pa
lindrome.cpp -o Palindrome ; if ($?) { ./Palindrome }
Enter a string (no spaces): ishan
The string is not a palindrome.
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 9> g++ Pa
lindrome.cpp -o Palindrome ; if ($?) { ./Palindrome }
Enter a string (no spaces): madam
The string is a palindrome.
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 9>
```

```
PS C:\Users\ASUS\Documents\CODING> cd "c:\Users\ASUS\Documents\C
ODING\OOP WITH C++\Program 10"
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 10> g++ S
tring-Reverse.cpp -o String-Reverse ; if ($?) { ./String-Reverse
 }
Enter a string (no spaces): Ishan
Reversed string: nahsI
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 10>
```

```
PS C:\Users\ASUS\Documents\CODING> cd "c:\Users\ASUS\Documents\C
ODING\OOP WITH C++\Program 10\Sort-Array"
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 10\Sort-A
rray> g++ Sort-Array.cpp -o Sort-Array ; if ($?) { ./Sort-Array
}
Enter number of elements: 5
Enter 5 elements:
12
65
16
89
2
Sorted array: 2 12 16 65 89
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 10\Sort-A
rray>
```

```
PS C:\Users\ASUS\Documents\CODING> cd "c:\Users\ASUS\Documents\C
ODING\OOP WITH C++\Program 13"
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 13> g++ C
lass-Static-Data.cpp -o Class-Static-Data ; if ($?) { ./Class-St
atic-Data }
Current count is: 0
Current count is: 2
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 13>
```

```
PS C:\Users\ASUS\Documents\CODING> cd "c:\Users\ASUS\Documents\C
ODING\OOP WITH C++\Program 14"
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 14> g++ L
ibrary-Management.cpp -o Library-Management ; if ($?) { ./Librar
y-Management }
Total books in library: 0
5 book(s) added.
Total books in library: 5
One book issued.
Total books in library: 4
One book issued.
Total books in library: 3
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 14>
```

```
PS C:\Users\ASUS\Documents\CODING> cd "c:\Users\ASUS\Documents\C
ODING\OOP WITH C++\Program 15"
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 15> g++ C
lass-Constructor-Destructor.cpp -o Class-Constructor-Destructor
; if ($?) { ./Class-Constructor-Destructor }
Enter account number: 1
Enter account holder name: Ishan
Enter initial balance: 1000
Account created successfully!

Account Information:
Account Number: 1
Account Holder: Ishan
Balance: 1000

Destructor called. Account 1 is closed.
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 15>
```

```
PS C:\Users\ASUS\Documents\CODING> cd "c:\Users\ASUS\Documents\C
ODING\OOP WITH C++\Program 16"
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 16> g++ C
onstructor-Overloading.cpp -o Constructor-Overloading ; if ($?)
{ ./Constructor-Overloading }
Default constructor called.
Area: 0
Constructor with one parameter called.
Area: 25
Constructor with two parameters called.
Area: 24
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 16>
```

```
PS C:\Users\ASUS\Documents\CODING> cd "c:\Users\ASUS\Documents\C
ODING\OOP WITH C++\Program 17"
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 17> g++ M
atrix-Operations-Class.cpp -o Matrix-Operations-Class ; if ($?)
{ ./Matrix-Operations-Class }
Enter first matrix:
Enter number of rows and columns: 2
2
Enter elements:
2
2
2
2
Enter second matrix:
Enter number of rows and columns: 2
2
Enter elements:
4
4
4
4

Matrix A:
2 2
2 2

Matrix B:
4 4
4 4

Result of Addition:
6 6
6 6

Result of Subtraction:
-2 -2
-2 -2

Result of Multiplication:
16 16
16 16
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 17>
```

```
PS C:\Users\ASUS\Documents\CODING> cd "c:\Users\ASUS\Documents\C
ODING\OOP WITH C++\Program 18"
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 18> g++ C
lass-Shape.cpp -o Class-Shape ; if ($?) { ./Class-Shape }
Circle area: 78.54
Square area: 16
This is a shape.
This is a shape.
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 18>
```

```
PS C:\Users\ASUS\Documents\CODING> cd "c:\Users\ASUS\Documents\C
ODING\OOP WITH C++\Program 19"
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 19> g++ V
ehicle-Management.cpp -o Vehicle-Management ; if ($?) { ./Vehicl
e-Management }
Car details:
Brand: Toyota
Year: 2020
Number of seats: 5

Truck details:
Brand: Volvo
Year: 2018
Load Capacity: 15 tons
PS C:\Users\ASUS\Documents\CODING\OOP WITH C++\Program 19>
```