

# Assignment-Solution Week-02

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# Day 8/180: Pattern Printing

First Pattern:

```
4 4 4 4 4 4
4 4 4 4 4 4
4 4 4 4 4 4
4 4 4 4 4 4
4 4 4 4 4 4
```

Solution:-

```
04-Pattern Printing > Assignment Solution > Question1.cpp > main()
1
2  #include<iostream>
3  using namespace std;
4  int main(){
5      /*
6          First Pattern:
7          4 4 4 4 4 4
8          4 4 4 4 4 4
9          4 4 4 4 4 4
10         4 4 4 4 4 4
11         4 4 4 4 4 4
12     */
13     int row,col;
14     for ( row = 1; row <= 5; row++)
15     {
16         for ( col = 1; col <= 5; col++)
17         {
18             cout<<4<<" ";
19         }
20         cout<<endl;
21     }
22 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS E:\om\DSA in c++\C++ code> cd "e:\om\DSA in c++\C++ code\04-Pattern Printing\Question1"
4 4 4 4 4
4 4 4 4 4
4 4 4 4 4
4 4 4 4 4
4 4 4 4 4
```

Second Pattern:

```
1 4 9 16 25
1 4 9 16 25
1 4 9 16 25
1 4 9 16 25
1 4 9 16 25
1 4 9 16 25
```

Solution:-

04-Pattern Printing > Assignment Solution > Question2.cpp > main()

```
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /*
5       Second Pattern:
6       1 4 9 16 25
7       1 4 9 16 25
8       1 4 9 16 25
9       1 4 9 16 25
10      1 4 9 16 25
11      1 4 9 16 25
12     */
13     int row,col;
14     for ( row = 1; row <= 6; row++)
15     {
16         for ( col = 1; col <= 5; col++)
17         {
18             cout<<col*col<<" ";
19         }
20         cout<<endl;
21     }
22 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS E:\om\DSA in c++\C++ code> cd "e:\om\DSA in c++\C++ code\04-Pattern
estion2 }
```

```
1 4 9 16 25
1 4 9 16 25
1 4 9 16 25
1 4 9 16 25
1 4 9 16 25
1 4 9 16 25
```

```
PS E:\om\DSA in c++\C++ code\04-Pattern Printing\Assignment Solution>
```

Third Pattern:

```
1 8 27 64 125 216
1 8 27 64 125 216
1 8 27 64 125 216
1 8 27 64 125 216
1 8 27 64 125 216
```

**Solution:-**

04-Pattern Printing > Assignment Solution > Question3.cpp > main()

```
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /*
5       Third Pattern:
6       1 8 27 64 125 216
7       1 8 27 64 125 216
8       1 8 27 64 125 216
9       1 8 27 64 125 216
10      1 8 27 64 125 216
11      */
12     int row,col;
13     for ( row = 1; row <= 5; row++)
14     {
15         for ( col = 1; col <= 6; col++)
16         {
17             cout<<col*col*col<<" ";
18         }
19         cout<<endl;
20     }
21 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS E:\om\DSA in c++\C++ code> cd "e:\om\DSA in c++\C++ code\04-Pattern Printing\Assignment Solution"
1 8 27 64 125 216
1 8 27 64 125 216
1 8 27 64 125 216
1 8 27 64 125 216
1 8 27 64 125 216
PS E:\om\DSA in c++\C++ code\04-Pattern Printing\Assignment Solution>
```

Fourth Pattern:

```
F G H I J K
F G H I J K
F G H I J K
F G H I J K
F G H I J K
```

**Solution:-**

```
04-Pattern Printing > Assignment Solution > Question4.cpp > main()
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /*
5          Fourth Pattern:
6          F G H I J K
7          F G H I J K
8          F G H I J K
9          F G H I J K
10         F G H I J K
11     */
12     int row;
13     char col;
14     for ( row = 1; row <= 5; row++)
15     {
16         for ( col = 'F'; col <= 'K'; col++)
17         {
18             cout<<col<<" ";
19             std::ostream &__cdecl std::endl<char, std::char_traits<char>>() const;
20         }
21         cout<<endl;
22     }
}
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS E:\om\DSA in c++\C++ code> cd "e:\om\DSA in c++\C++ code\04-Pattern Printing\Assignment Solution"
F G H I J K
F G H I J K
F G H I J K
F G H I J K
F G H I J K
PS E:\om\DSA in c++\C++ code\04-Pattern Printing\Assignment Solution>
```

# Day 9/180: Pattern Printing-2

First Pattern:

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 4 5 6
1 2 3 4 5 6
```

**Solution:-**

```
05-Pattern Printing-2 > Assignment Solution > Question1.cpp > main()
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /*
5       First Pattern:
6       1
7       1 2
8       1 2 3
9       1 2 3 4
10      1 2 3 4 5
11      1 2 3 4 5 6
12      1 2 3 4 5 6 7
13      */
14      int row,col;
15      for ( row = 1; row <= 7; row++)
16      {
17          for ( col = 1; col <= row; col++)
18          {
19              cout<<col<<" ";
20          }
21          cout<<endl;
22      }
23  }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS E:\om\DSA in c++\C++ code> cd "e:\om\DSA in c++\C++ code\05-Pattern Printing-2\Assignment Solution"
Question1 }
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 4 5 6
1 2 3 4 5 6 7
PS E:\om\DSA in c++\C++ code\05-Pattern Printing-2\Assignment Solution>
```

## Second Pattern:

A  
A B  
A B C  
A B C D  
A B C D E

### Solution:-

```
05-Pattern Printing-2 > Assignment Solution > Question2.cpp > main()
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /*
5          Second Pattern:
6          A
7          A B
8          A B C
9          A B C D
10         A B C D E
11     */
12     int row;
13     char col;
14     for ( row = 1; row <= 5; row++)
15     {
16         for ( col = 'A'; col <= 'A'+row-1; col++)
17         {
18             cout<<col<<" ";
19         }
20         cout<<endl;
21     }
22 }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS E:\om\DSA in c++\C++ code> cd "e:\om\DSA in c++\C++ code\05-Pattern Printing-2\Assignment
Question2"
A
A B
A B C
A B C D
A B C D E
PS E:\om\DSA in c++\C++ code\05-Pattern Printing-2\Assignment Solution >
```

Third Pattern:

```
10
10 11
10 11 12
10 11 12 13
10 11 12 13 14
10 11 12 13 14 15
```

**Solution:-**

05-Pattern Printing-2 > Assignment Solution > Question3.cpp > main()

```
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /*
5       Third Pattern:
6       10
7       10 11
8       10 11 12
9       10 11 12 13
10      10 11 12 13 14
11      10 11 12 13 14 15
12      */
13      int row,col;
14      for ( row = 1; row <= 6; row++){
15          {
16              for ( col = 10; col <= 10+row-1; col++)
17              {
18                  cout<<col<<" ";
19              }
20              cout<<endl;
21          }
22      }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS E:\om\DSA in c++\C++ code> cd "e:\om\DSA in c++\C++ code\05-Pattern Printing-2\Assignment Solution\Question3" &&
```

```
10
10 11
10 11 12
10 11 12 13
10 11 12 13 14
10 11 12 13 14 15
```

```
PS E:\om\DSA in c++\C++ code\05-Pattern Printing-2\Assignment Solution>
```



Fourth Pattern:

A B C D

A B C

A B

A

**Solution:-**

05-Pattern Printing-2 > Assignment Solution > Question4.cpp > main()

```
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /*
5       Fourth Pattern:
6
7       A B C D
8       A B C
9       A B
10      A
11
12      */
13      int row;
14      char col;
15      for ( row = 1; row <= 4; row++)
16      {
17          for ( col = 'A'; col <= 'D'-(row-1); col++)
18          {
19              cout<<col<<" ";
20          }
21          cout<<endl;
22      }
23  }
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

```
PS E:\om\DSA in c++\C++ code> cd "e:\om\DSA in c++\C++ code\05-Pattern Printing-2\Assignment Solution\Question4" &&
```

A B C D

A B C

A B

A

```
PS E:\om\DSA in c++\C++ code\05-Pattern Printing-2\Assignment Solution>
```

# Day 10/180: Pattern Printing-2

First Pattern: Take an input n from the user, and create a pattern like below, for n=5, we have output like this.

```
1
2 1
3 2 1
4 3 2 1
5 4 3 2 1
```

**Solution:-**

```
06-Pattern Printing-3 > Assignment Solution > Question1.cpp > main()
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /*
5       First Pattern: Take an input n from the user,
6       and create a pattern like below,
7       for n=5, we have output like this.
8           1
9           2 1
10          3 2 1
11         4 3 2 1
12        5 4 3 2 1
13     */
14     int row,col,n;
15     cout<<"Enter number: ";
16     cin>>n;
17     for ( row = 1; row <= n; row++)
18     {
19         for ( col = 1; col <= n-row; col++)
20         {
21             cout<<" ";
22         }
23         for ( col = row; col >= 1; col--)
24         {
25             cout<<col<<" ";
26         }
27         cout<<endl;
28     }
29 }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS E:\om\DSA in c++\C++ code> cd "e:\om\DSA in c++\C++ code\06-Pattern Prin
Enter number: 5
1
2 1
3 2 1
4 3 2 1
5 4 3 2 1
PS E:\om\DSA in c++\C++ code\06-Pattern Printing-3\Assignment Solution> 
```

Second Pattern: Take an input n from the user, and create a pattern like below, for n=5, we have output like this.

```
A
 B B
C C C
D D D D
E E E E E
```

**Solution:-**

```
06-Pattern Printing-3 > Assignment Solution > Question2.cpp > main()
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /*
5       Second Pattern: Take an input n from the user,
6       and create a pattern like below,
7       for n=5, we have output like this.
8           A
9           B B
10          C C C
11         D D D D
12        E E E E E
13       */
14     int row,col,n;
15     cout<<"Enter number: ";
16     cin>>n;
17     for ( row = 1; row <= n; row++)
18     {
19         for ( col = 1; col <= n-row; col++)
20         {
21             cout<<" ";
22         }
23         for ( col = 1; col <= row; col++)
24         {
25             char name='A'+row-1;
26             cout<<name<<" ";
27         }
28         cout<<endl;
29     }
30 }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS E:\om\DSA in c++\C++ code> cd "e:\om\DSA in c++\C++ code\06-Pattern Prin
Enter number: 5
      A
     B B
    C C C
   D D D D
  E E E E E
PS E:\om\DSA in c++\C++ code\06-Pattern Printing-3\Assignment Solution> □
```

Third Pattern: Take an input n from the user, and create a pattern like below, for n=5, we have output like this.

```
5
5 4
5 4 3
5 4 3 2
5 4 3 2 1
```

**Solution:-**

```
06-Pattern Printing-3 > Assignment Solution > Question3.cpp > main()
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /*
5       Third Pattern: Take an input n from the user,
6       and create a pattern like below,
7       for n=5, we have output like this.
8
9       5
10      5 4
11     5 4 3
12    5 4 3 2
13   5 4 3 2 1
14   */
15   int row,col,n;
16   cout<<"Enter number: ";
17   cin>>n;
18   for ( row = 1; row <= n; row++)
19   {
20       for ( col = 1; col <= n-row; col++)
21       {
22           cout<<" ";
23       }
24       for ( col = n; col >= n-(row-1); col--)
25       {
26           cout<<col<<" ";
27       }
28       cout<<endl;
29   }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS E:\om\DSA in c++\C++ code> cd "e:\om\DSA in c++\C++ code\06-Pattern Printing-3\Assignment Solution"
Enter number: 5
5
5 4
5 4 3
5 4 3 2
5 4 3 2 1
PS E:\om\DSA in c++\C++ code\06-Pattern Printing-3\Assignment Solution> 
```

Fourth Pattern: Take an input n from the user, and create a pattern like below, for n=5, we have output like this.

```
E
E D
E D C
E D C B
E D C B A
```

**Solution:-**

06-Pattern Printing-3 > Assignment Solution > Question5.cpp > main()

```
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /*
5      Fourth Pattern: Take an input n from the user,
6      and create a pattern like below,
7      for n=5, we have output like this.
8          E
9          E D
10         E D C
11        E D C B
12       E D C B A
13      */
14      int row,col,n;
15      cout<<"Enter number: ";
16      cin>>n;
17      for ( row = 1; row <= n; row++)
18      {
19          for ( col = 1; col <= n-row; col++)
20          {
21              cout<<" ";
22          }
23          for ( char name='A'+n-1;name>='A'+(n-row);name--)
24          {
25              cout<<name<<" ";
26          }
27          cout<<endl;
28      }
29  }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS E:\om\DSA in c++\C++ code> cd "e:\om\DSA in c++\C++ code\06-Pattern Printing-3\Ass
Enter number: 5
      E
     E D
    E D C
   E D C B
  E D C B A
PS E:\om\DSA in c++\C++ code\06-Pattern Printing-3\Assignment Solution> □
```

# Day 11/180: Pattern Printing- Super Hard

First Pattern: Take an input n from the user, and create a pattern like below, for n=5, we have output like this.

```
  *
 * *
* * *
* * * *
* * * * *
```

**Solution:-**

07-Pattern Printing-4 > Assignment Solution > Question1.cpp > main()

```
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /*
5       First Pattern: Take an input n from the user,
6       and create a pattern like below,
7       for n=5, we have output like this.
8       *
9       * *
10      * * *
11      * * * *
12      * * * * *
13
14      */
15      int row,col,n;
16      cout<<"Enter number: ";
17      cin>>n;
18      for(row=1;row<=n;row=row+1){
19          for(col=1;col<=n-row;col++)
20              cout<<" ";
21          for(col=1;col<=row;col++)
22              cout<<"* ";
23          cout<<endl;
24      }
25 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS E:\om\DSA in c++\C++ code> cd "e:\om\DSA in c++\C++ code\07-Pattern Prin
Enter number: 5
  *
 * *
* * *
* * * *
* * * * *
PS E:\om\DSA in c++\C++ code\07-Pattern Printing-4\Assignment Solution> □
```

Second Pattern: Take an input n from the user, and create a pattern like below, for n=5, we have output like this.

```
1
1 2 3
1 2 3 4 5
1 2 3 4 5 6 7
1 2 3 4 5 6 7 8 9
```

**Solution:-**

07-Pattern Printing-4 > Assignment Solution > Question2.cpp > main()

```
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /* Second Pattern: Take an input n from the user,
5       and create a pattern like below,
6       for n=5, we have output like this.
7
8       */
9      int row,col,n;
10     cout<<"Enter number: ";
11     cin>>n;
12     for(row=1;row<=n;row++){
13         //Space Print
14         for(col=1;col<=n-row;col++)
15             cout<<" ";
16         //1 to 2*row-1
17         for(col=1;col<=2*row-1;col++)
18             cout<<col<<" ";
19         cout<<endl;
20     }
21 }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS E:\om\DSA in c++\C++ code> cd "e:\om\DSA in c++\C++ code\07-Pattern Print
Question2 }
```

```
Enter number: 5
```

```
1
1 2 3
1 2 3 4 5
1 2 3 4 5 6 7
1 2 3 4 5 6 7 8 9
```

```
PS E:\om\DSA in c++\C++ code\07-Pattern Printing-4\Assignment Solution> █
```

Third Pattern: Take an input n from the user, and create a pattern like below, for n=5, we have output like this.

```
A
A B A
A B C B A
A B C D C B A
A B C D E D C B A
```

**Solution:-**

```
07-Pattern Printing-4 > Assignment Solution > Question3.cpp > main()
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /* Third Pattern: Take an input n from the user,
5       and create a pattern like below,
6       for n=5, we have output like this.
7       A
8       A B A
9       A B C B A
10      A B C D C B A
11     A B C D E D C B A
12     */
13     int row,col,n;
14     cout<<"Enter number: ";
15     cin>>n;
16     for(row=1;row<=n;row++){
17         //Space Print
18         for(col=1;col<=n-row;col++)
19             cout<<" ";
20         //1 to row
21         for(char col='A';col<='A'+row-1;col++)
22             cout<<col<<" ";
23
24         //row-1 to 1
25         for(char col='A'+row-2;col>='A';col--)
26             cout<<col<<" ";
27         cout<<endl;
28     }
29 }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS E:\om\DSA in c++\C++ code> cd "e:\om\DSA in c++\C++ code\07-Pattern Pri
Enter number: 5
      A
     A B A
    A B C B A
   A B C D C B A
  A B C D E D C B A
PS E:\om\DSA in c++\C++ code\07-Pattern Printing-4\Assignment Solution>
```



Fourth Pattern: Take an input n from the user, and create a pattern like below, for n=5, we have output like this.

```

    *
  * *
* * *
* * * *
* * * * *
* * * * *
  * * * *
    * * *
      * *
        *
```

**Solution:-**

```
07-Pattern Printing-4 > Assignment Solution > G+ Question4.cpp > main()
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /*
5       Fourth Pattern: Take an input n from the user,
6       and create a pattern like below,
7       for n=5, we have output like this.
8       *
9       * *
10      * * *
11      * * * *
12      * * * * *
13      * * * * *
14      * * * *
15      * * *
16      * *
17      *
18
19      */
20      int row,col,n;
21      cout<<"Enter number: ";
22      cin>>n;
23
24      for(row=1;row<=n;row++){
25          for(col=1;col<=n-row;col++){
26              cout<<" ";
27          }
28          for(col=1;col<=row;col++){
29              cout<<"* ";
30          }
31          cout<<endl;
32      }
33      for(row=n;row>=1;row--){
34          for(col=1;col<=n-row;col++){
35              cout<<" ";
36          }
37          for(col=1;col<=row;col++){
38              cout<<"* ";
39          }
40          cout<<endl;
41      }
42  }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS E:\om\DSA in c++\C++ code> cd "e:\om\DSA in c++\C++ code\07-Pattern Printing-4\As
Enter number: 5
    *
  * *
* * *
* * * *
* * * * *
* * * * *
  * * * *
    * * *
      * *
        *
```

PS E:\om\DSA in c++\C++ code\07-Pattern Printing-4\Assignment Solution> █

# Day 12/180 Operator in C++

1: Temperature Range: Write a program that checks if a given temperature is suitable for swimming. If the temperature is between 70 and 90 (Excluded) degrees Fahrenheit print yes, else NO.

**Solution:-**

```
Question1.cpp U X Question2.cpp U
08-Operators in C++ > Assignments Solution > Question1.cpp > main()
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /*
5       1: Temperature Range: Write a program that checks
6       if a given temperature is suitable for swimming.
7       If the temperature is between 70 and 90 (Excluded)
8       degrees Fahrenheit print yes, else NO.
9       */
10     int temp;
11     cout<<"Please Enter Temperature: ";
12     cin>>temp;
13     if(temp > 70 && temp < 90){
14         cout<<"Yes";
15     }else{
16         cout<<"No";
17     }
18 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS E:\om\DSA in c++\C++ code> cd "e:\om\DSA in c++\C++ code\08-Operators in C++\Assignments Solution" & if ($?) { .\Question1 }
Please Enter Temperature: 50
No
PS E:\om\DSA in c++\C++ code\08-Operators in C++\Assignments Solution> cd "e:\om\DSA in c++\C++ code\08-Operators in C++\Assignments Solution" & if ($?) { g++ Question1.cpp -o Question1 } & if ($?) { .\Question1 }
Please Enter Temperature: 80
Yes
PS E:\om\DSA in c++\C++ code\08-Operators in C++\Assignments Solution>
```

2: Even and Positive Number: Write a program that prints "YES" if a given number is both even and positive, otherwise it will print "NO".

**Solution:-**

```
Question1.cpp U  Question2.cpp U X
08-Operators in C++ > Assignments Solution > Question2.cpp > main()
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /*
5       2: Even and Positive Number: Write a program
6       that prints "YES" if a given number is both
7       even and positive,otherwise it will print "NO".
8       */
9      int num;
10     cout<<"Please Enter your Number: ";
11     cin>>num;
12     if(num > 0 && (num % 2 == 0)){
13         cout<<"Yes";
14     }else{
15         cout<<"No";
16     }
17 }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
on2.cpp -o Question2 } ; if ($?) { .\Question2 }
Please Enter your Number: -5
No
PS E:\om\DSA in c++\C++ code\08-Operators in C++\Assignments Solution> cd
gnments Solution\" ; if ($?) { g++ Question2.cpp -o Question2 } ; if ($?)
Please Enter your Number: 5
No
PS E:\om\DSA in c++\C++ code\08-Operators in C++\Assignments Solution> cd
gnments Solution\" ; if ($?) { g++ Question2.cpp -o Question2 } ; if ($?)
Please Enter your Number: 6
Yes
```

### Solution:-

20

4: Take three numbers a,b,c from the user, print yes if a is either greater than b or c. Otherwise print NO.

**Solution:-**

Question1.cpp U   Question2.cpp U   Question3.cpp U   Question4.cpp U

08-Operators in C++ > Assignments Solution > Question4.cpp > main()

```
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /*
5       4: Take three numbers a,b,c from the user,
6       print yes if a is either greater than b or c.
7       Otherwise print NO.
8       */
9      int a,b,c;
10     cout<<"Please Enter value of a: ";
11     cin>>a;
12     cout<<"Please Enter value of b: ";
13     cin>>b;
14     cout<<"Please Enter value of c: ";
15     cin>>c;
16     if(a>b || a>c){
17         cout<<"YES";
18     }else{
19         cout<<"NO";
20     }
21 }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS E:\om\DSA in c++\C++ code> cd "e:\om\DSA in c++\C++ code\08-Operators in C++\Question4.cpp -o Question4 } ; if ($?) { .\Question4 }
Please Enter value of a: 10
Please Enter value of b: 20
Please Enter value of c: 5
YES
PS E:\om\DSA in c++\C++ code\08-Operators in C++\Assignments Solution>
```

5: What will be the result below according to the precedence table.

- $2*3-48==5/4*6$
- $6<<2-4*8/2$
- $5>4<3/2-8\%4+5$
- $14-8+92>>2+70$

**Solution:-**

```
08-Operators in C++ > Assignments Solution > Question5.cpp > main()
1  #include<iostream>
2  using namespace std;
3  int main(){
4      /*
5       5: What will be the result below according to the precedence table.
6       a-> 2*3-48==(5/4)*6
7       b-> 6<<2-4*8/2
8       c-> 5>4<3/2-8%4+5
9       d-> 14-8+92>>2+70
10      */
11      int a=(2*3-48==(5/4)*6);
12      int b=((6<<2)-(4*8)/2);
13      int c=(5>4<3/2-(8%4)+5);
14      int d=((14-8+92>>2)+70);
15      cout<<"a. "<<a<<endl;
16      cout<<"b. "<<b<<endl;
17      cout<<"c. "<<c<<endl;
18      cout<<"d. "<<d<<endl;
19  }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS E:\om\DSA in c++\C++ code\08-Operators in C++\Assignments Solution> cd "e:\om\DSA in c++\C++ code\08-Operators in C++\Assignments Solution\" ; if ($?) { g++ Question5.cpp -o Question5 } ; if ($?) { .\Question5 }
a. 0
b. 8
c. 1
d. 94
PS E:\om\DSA in c++\C++ code\08-Operators in C++\Assignments Solution>
```