

```
Assignment_3.java ×
1 //MONALI JONDHALE
2 package third.assignment;
3
4 public class Assignment_3 {
5
6     public static void main(String[] args) {
7         for(int i=1;i<=100;i++)
8         {
9             System.out.print(" "+i);
10        }
11    }
12
13 }
14
```

Console ×

<terminated> Assignment_3 [Java Application] C:\Users\Admin\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220903-1038\jre\bin\javaw.exe (19-September 2022) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49

```
16 package third.assignment;
17 //2.wap to print even number 1 to 20
18 public class Assignment_3 {
19
20     public static void main(String[] args) {
21         for(int i=1;i<20;i++)
22         {
23             if(i%2==0)
24                 System.out.print(" "+i);
25         }
26     }
27
28 }
```

Console ×

:terminated> Assignment_3 [Java Application] C:\Users\Admin\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220903-1038\jre\bin\javaw.exe (19-September 2022) 2 4 6 8 10 12 14 16 18

```

30 package third.assignment;
31 //3.wap to print cube of 1 to 5 number.
32 public class Assignment_3 {
33
34     public static void main(String[] args) {
35         for(int i=1;i<=5;i++)
36         {
37             System.out.print("cube of "+i+"=");
38             int n=i*i*i;
39             System.out.println(n);
40         }
41     }

```

Console X

<terminated> Assignment_3 [Java Application] C:\Users\Admin\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_

```

cube of 1=1
cube of 2=8
cube of 3=27
cube of 4=64
cube of 5=125

```

```

46 package third.assignment;
47 //4. wap to check if a number is prime or not .
48 import java.util.Scanner;
49 public class Assignment_3 {
50     public static void main(String[] args) {
51         int i, n;
52         Scanner sc=new Scanner(System.in);
53         System.out.println("Enter a Number :");
54         n=sc.nextInt();
55         if (n == 0 || n == 1)
56             System.out.println("Not a Prime Number");
57         for (i = 2; i <= n / 2; i++)
58         {
59             if (n % i == 0)
60             {
61                 System.out.println("Not a prime number ");
62                 break;
63             }
64             else

```

```

65         {
66             System.out.println("is a Prime number ");
67             break;
68         }
69     }
70 }
71 }
72

```

Console X

<terminated> Assignment_3 [Java Application] C:\Users\Admin\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32:
Enter a Number :
57
is a Prime number

```

193 package third.assignment;
194 //Q 5 wap to print fibonacci series using for loop i.e adding last two results
195 //ex : 0 1 1 2 3 5 8 13 21 34
196 import java.util.Scanner;
197 public class Assignment_3 {
198
199     public static void main(String[] args) {
200         Scanner sc=new Scanner(System.in);
201         System.out.println("Enter count : ");
202         int count=sc.nextInt();
203         int n1=0,n2=1,n3;
204         for(int i=1;i<=count;i++)
205         {
206             System.out.print(n1+" ");
207             n3=n1+n2;
208             n1=n2;
209             n2=n3;
210         }
211     }
212 }

```

Console X

<terminated> Assignment_3 [Java Application] C:\Users\Admin\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20:
Enter count :
10
0 1 1 2 3 5 8 13 21 34

```
215 package third.assignment;
216 //Q 6 wap to print factorial of a number
217 // 5*4*3*2*1
218 public class Assignment_3 {
219
220     public static void main(String[] args) {
221
222         int i,fact=1;
223         int num=5;
224         for(i=1;i<=num;i++)
225         {
226             fact=fact*i;
227         }
228         System.out.println("Factoiral of "+num + " is "+fact);
229     }
230 }
231
232
233
234
```

Console X

<terminated> Assignment_3 [Java Application] C:\Users\Admin\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.j
Factoiral of 5 is 120

```
74 package third.assignment;
75 //7.wap to ask a number from user and print table of that number
76 import java.util.Scanner;
77 public class Assignment_3 {
78     public static void main(String[] args) {
79         int i, n;
80         Scanner sc=new Scanner(System.in);
81         System.out.println("Enter a Number :");
82         n=sc.nextInt();
83         for(i=1;i<=10;i++)
84         {
85             System.out.print(" "+(n*i));
86         }
87     }
88 }
89 }
```

Console X

<terminated> Assignment_3 [Java Application] C:\Users\Admin\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x8

Enter a Number :

21

21 42 63 84 105 126 147 168 189 210

```

234 //Q 8 wap to print prime numbers between 2 to 20
235 public class Assignment_3 {
236
237     public static void main(String[] args) {
238         int flag=0;
239         int n;
240         for(n=2;n<=20;n++)
241         {
242             flag=0;
243             for(int i=2;i<=n/2;i++)
244             {
245                 if(n%i==0)
246                 {
247                     flag=1;
248                     break;
249                 }
250             }
251             if(flag==0)
252                 System.out.print(n+" ");
253         }
254     }

```

Console X

<terminated> Assignment_3 [Java Application] C:\Users\Admin\.p2\pool\plugins\org.eclipse.jus
 2 3 5 7 11 13 17 19

```

91 package third.assignment;
92 //9.Print Patterns:a)
93 /**
94 /**
95 /**
96 /**
97 /**
98 import java.util.Scanner;
99 public class Assignment_3 {
100     public static void main(String[] args) {
101         for(int i=1;i<=5;i++)
102         {
103             for(int j=1;j<=i;j++)
104             {
105                 System.out.print("*");
106             }
107             System.out.println(" ");
108         }
109     }
110 }

```

Console ×

<terminated> Assignment_3 [Java Application] C:\Users\Admin\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v202

```

*
**
***
****
*****

```

```

114 package third.assignment;
115 //9.Print Patterns:b)
116 //1
117 //1 2
118 //1 2 3
119 //1 2 3 4
120 //1 2 3 4 5
121 import java.util.Scanner;
122 public class Assignment_3 {
123     public static void main(String[] args) {
124         for(int i=1;i<=5;i++)
125         {
126             for(int j=1;j<=i;j++)
127             {
128                 System.out.print(j);
129             }
130             System.out.println(" ");
131         }
132     }
133 }

```

Console X

<terminated> Assignment_3 [Java Application] C:\Users\Admin\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.f

```

1
12
123
1234
12345

```



```
135 package third.assignment;
136 //9.Print Patterns:c)
137 //A B C D
138 //A B C
139 //A B
140 //A
141 public class Assignment_3 {
142     public static void main(String[] args) {
143         for(char i=68;i>=65;i--)
144         {
145             for(char j=65;j<=i;j++)
146             {
147                 System.out.print(j);
148             }
149             System.out.println(" ");
150         }
151     }
152 }
```

Console X

<terminated> Assignment_3 [Java Application] C:\Users\Admin\.p2\pool\plugins\org.eclipse.justj.openjdk

ABCD

ABC

AB

A

```

package third.assignment;
/*
//9.Print Patterns:d)

*  A  B  C  D  D  C  B  A
*  A  B  C          C  B  A
*  A  B              B  A
*  A                  A
*/
public class Assignment_3 {
public static void main(String[] args) {
    int i,j;
    char r='A';
    int space=0;
    for( i=1;i<=4;i++)
    {
        r='A';
        for( j=4;j>=i;j--)
        {
            System.out.print(r);
            r++;
        }
        for(int l=0;l<space;l++) System.out.print(" ");

```

```

178
179
180         for( j=4;j>=i;j--)
181         { r--;
182             System.out.print(r);
183
184         }
185         space=space+2;
186
187         System.out.println();
188     }
189 }
190 }
191

```

Console X

<terminated> Assignment_3 [Java Application] C:\Users\Admin\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.w

```

ABCDDCBA
ABC  CBA
AB   BA
A    A

```

