

#### Solution to Q4

```
/* Display first 10 terms of the series  
1 4 9 16...
```

```
*/  
public class IX  
{ public static void main(String args[])  
  { for(int i=1; i<=10; i++)  
    { int n=i*i;  
      System.out.println( n );  
    }// i  
  }//main  
}//class
```

```
/* Display first 10 terms of the series  
1 2 4 7 11...
```

```
*/  
public class IX  
{ public static void main(String args[])  
  { int n=1;  
    for(int i=1; i<=10; i++)  
    { System.out.println( n );  
      n+=i;  
    }// i  
  }//main  
}//class
```

```
/* Display first 10 terms of the series  
3 6 9 12...
```

```
*/  
public class IX  
{ public static void main(String args[])  
  { for(int i=1; i<=10; i++)  
    { int n=3*i;  
      System.out.println( n );  
    }// i  
  }//main  
}//class
```

```
/* Display first 10 terms of the series  
4 8 16 32...
```

```
*/  
public class IX  
{ public static void main(String args[])  
  {  
    for(int i=1; i<=20; i+=2)
```

```
public class IX  
{ public static void main(String args[])  
  { int n=2;  
    for(int i=1; i<=10; i++)  
    { n*=2;  
      System.out.println( n );  
    }// i  
  }//main  
}//class
```

```
/* Display first 10 terms of the series  
1.5 3.0 4.5 6.0 ...
```

```
*/  
public class IX  
{ public static void main(String args[])  
  { for(double i=1.5; i<=15; i+=1.5)  
    { System.out.println( i );  
    }// i  
  }//main  
}//class
```

```
/* Display first 10 terms of the series  
0 7 26 ...
```

```
*/  
public class IX  
{ public static void main(String args[])  
  {  
    for(int i=1; i<=10; i++)  
    { int n= (i*i*i)-1;  
      System.out.println( n );  
    }// i  
  }//main  
}//class
```

```
/* Display first 10 terms of the series  
1 9 25 49 ...
```

```
*/  
public class IX  
{ public static void main(String args[])  
  {  
    for(int i=1; i<=20; i+=2)
```

```
    { int n= (i*i);  
      System.out.println( n );  
    }// i  
  }//main  
}//class
```

---

```
/* Display first 10 terms of the series  
4 16 36 64 ...  
*/  
public class IX  
{ public static void main(String args[])  
  {  
    for(int i=2; i<=20; i+=2)  
    { int n= (i*i);  
      System.out.println( n );  
    }// i  
  }//main  
}//class
```

---

```
/* Display first 10 terms of the series  
0 3 8 15 ...  
*/  
public class IX  
{ public static void main(String args[])  
  {  
    for(int i=1; i<=10; i++)  
    { int n= (i*i)-1;  
      System.out.println( n );  
    }// i  
  }//main  
}//class
```

---

```
/* Display first 10 terms of the series  
24 99 224 355...  
*/  
public class IX  
{ public static void main(String args[])  
  {  
    for(int i=5; i<=50; i+=5)  
    { int n= (i*i)-1;  
      System.out.println( n );  
    }// i
```

```
  }//main  
}//class
```

---

```
/* Display first 10 terms of the series  
2 5 10 17...  
*/  
public class IX  
{ public static void main(String args[])  
  {  
    for(int i=1; i<=10; i++)  
    { int n= (i*i)+1;  
      System.out.println( n );  
    }// i  
  }//main  
}//class
```

#### Solution to Q22

```
/*  
1  
21  
321  
4321  
54321  
*/  
public class IX  
{ public static void main(String args[])  
  { for(int i=1; i<=5; i++)  
    { for(int j=i; j>=1; j--)  
      { System.out.print( j );  
        }// j  
      System.out.println();  
    }// i  
  }//main  
}//class
```

---

```
/*  
12345  
1234  
123  
12  
1  
*/  
public class IX
```

```
{ public static void main(String args[])
{ for(int i=5; i>=1; i--)
{ for(int j=1; j<=i; j++)
{ System.out.print( j );
} // j
System.out.println();
} // i
} // main
} // class
```

```
} // i
} // main
} // class
```

---

```
/*
54321
5432
543
54
5
*/
public class IX
{ public static void main(String args[])
{ for(int i=1; i<=5; i++)
{ for(int j=5; j>=i; j--)
{ System.out.print( j );
} // j
System.out.println();
} // i
} // main
} // class
```

---

```
/*
5
54
543
5432
54321
```

```
*/
public class IX
{ public static void main(String args[])
{ for(int i=5; i>=1; i--)
{ for(int j=5; j>=i; j--)
{ System.out.print( j );
} // j
System.out.println();
} // i
} // main
} // class
```

---

```
/*
13579
1357
135
13
1
*/
public class IX
{ public static void main(String args[])
{ for(int i=9; i>=1; i-=2)
{ for(int j=1; j<=i; j+=2)
{ System.out.print( j );
} // j
System.out.println();
```

---

```
/*
12345
2345
345
45
5
```

```
*/
public class IX
{ public static void main(String args[])
{ for(int i=1; i<=5; i++)
{ for(int j=i; j<=5; j++)
{ System.out.print( j );
} // j
System.out.println();
} // i
} // main
} // class
```

---

```
/*
1
22
333
4444
55555
*/
public class IX
{ public static void main(String args[])
  { for(int i=1; i<=5; i++)
    { for(int j=1; j<=i; j++)
      { System.out.print( i );
        }// j
      System.out.println();
    }// i
  }//main
}//class
```

---

```
/*
55555
44444
333
22
1
*/
public class IX
{ public static void main(String args[])
  { for(int i=5; i>=1; i--)
    { for(int j=1; j<=i; j++)
      { System.out.print( i );
        }// j
      System.out.println();
    }// i
  }//main
}//class
```

---

```
/*
11111
2222
333
44
```

```
5
*/
public class IX
{ public static void main(String args[])
  { for(int i=1; i<=5; i++)
    { for(int j=i; j<=5; j++)
      { System.out.print( i );
        }// j
      System.out.println();
    }// i
  }//main
}//class
```

---

```
/*
5
44
333
2222
11111
*/
public class IX
{ public static void main(String args[])
  { for(int i=5; i>=1; i--)
    { for(int j=i; j<=5; j++)
      { System.out.print( i );
        }// j
      System.out.println();
    }// i
  }//main
}//class
```

---

[END]