


SBA 2

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1. Write a program to reverse the String (use char[] or String built in method)

```
Rev.java      RevString.java

1  import java.util.*;
2  class Rev
3  {
4      public static void main(String[] args)
5      {
6          String a, b = "";
7          Scanner sc = new Scanner(System.in);
8          System.out.print("Enter the string you want to reverse:");
9          a = sc.next();
10         int n = a.length();
11         for(int i=n-1;i>=0;i--) //reverse iteration loop
12         {
13             b = b + a.charAt(i);
14         }
15         System.out.println("Reversed String is: ");
16         System.out.println(b);
17     }
18 }
```



```
PS C:\Users\Lab\Desktop\java programs\sba2new> javac Rev.java
PS C:\Users\Lab\Desktop\java programs\sba2new> java Rev
Enter the string you want to reverse:AdithyaKPrabhu
Reversed String is:
uhbarPKayhtidA
PS C:\Users\Lab\Desktop\java programs\sba2new>
```

2. Write programs to depict the usage of contains(), length(), replace(), concat(), equals()


```
1  class Stringops
2  {
3      public static void main(String[] args)
4      {
5          String s1= "Hello";
6          String s2= "Hello";
7          System.out.println(s1.contains("el"));
8          System.out.println(s1.length());
9          System.out.println(s1.concat(s2));
10         System.out.println(s1.replace('H','c'));
11         System.out.println(s1.equals(s2));
12     }
13 }
14
```



```
Enter the string you want to reverse:AdithyaKPrabhu
Reversed String is:
true
5
HelloHello
cello
true
PS C:\Users\Lab\Desktop\java programs\sba2new>
```

3. Write a customized Exception class for a Banking project

```
BankExc.java
1  class BankExc
2  {
3      public static void main(String[] args)
4      {
5          try
6          {
7              int Initial = 200;
8              int balance = 0;
9              System.out.println(" "+(Initial/balance));
10         }
11         catch(ArithmeticException e)
12         {
13             System.out.println("Arithmetic Exception :| balance is zero ");
14         }
15         finally
16         {
17             System.out.println("Try again later");
18         }
19     }
20 }
```



```
PS C:\Users\Lab\Desktop\java programs\sba2new> java BankExc
Arithmetic Exception : balance is zero
Try again later
PS C:\Users\Lab\Desktop\java programs\sba2new>
```