1.

```
package Stringprograms;

import java.util.Scanner;

public class lengthofString {

	public static void main(String[] args) {
		Scanner s=new Scanner(System.in);
		System.out.println("Enter the String :");
		 String l = s.nextLine();
		 int length=l.length();
		 System.out.println("The length of the String is:"+length);

	}

}
```

Output :

```
Enter the String :
dhamu
The length of the String is:5
```

2.

```
package Stringprograms;

public class findchar {
public static void main(String[] args) {
	String s1="task done at time";
	char character=s1.charAt(5);
	System.out.println("character of this index is :"+character);
}
}
```

Output :

```
character of this index is :d
```

3.

```
package Stringprograms;

public class substring {

	public static void main(String[] args) {
		String s1="task done";
		String substring = s1.substring(0,4);
		   System.out.println("Substring from index 0 to 4: '" +
substring+"'");
```

```
            // System.out.println("*********************************");
            String s2="task";
            String subs=s2.substring(1);
            System.out.println("string of 1 index  removed: '"+subs+"'");

    }

}
```

Output :

```
Substring from index 0 to 4: 'task'
string of 1 index  removed: 'ask'
```

4.
```
package Stringprograms;

public class reversewords {

    public static void main(String[] args) {
        String s1="*task Done";
        String[]words = s1.split(" "); // Split by space
       System.out.println("Words in the string:");

       for (int i=0;i<words.length;i++) {
           System.out.print(words[i]+" ");
       }System.out.println();
        System.out.println("Word reversed in the string:");
        for(int i=words.length-1;i>=0;i--) {
        System.out.print(words[i]+" ");
        }
    }

}
```

Output :

```
Words in the string:
*task Done
Word reversed in the string:
Done *task
```

5.
```
package Stringprograms;

public class indexofchar {

    public static void main(String[] args) {
      String s="dhamu";
```

```
    int s1=s.indexOf("a");
    System.out.println("Index of this is :"+s1);

    }

}
```

Output :

```
Index of this is :2
```

6.
```
package Stringprograms;

public class replace_string {

    public static void main(String[] args) {
      String s="Task done";
      System.out.println("Normal string :"+s);
    String s1=s.replace("done", "completed");
    System.out.println("Replaced the target :"+s1);


    }

}
```

Output :

```
Normal string :Task done
Replaced the target :Task completed
```

7.
```
package Stringprograms;

public class lower_upper {

    public static void main(String[] args) {
         String s="dhamu";
         String s1= s.toUpperCase();
        String s2=s.toLowerCase();
        System.out.println("Uppercase: " + s1);
        System.out.println("Lowercase: " + s2);

    }

}
```

Output :

```
Uppercase: DHAMU
Lowercase: dhamu
```

8.
```
package Stringprograms;

public class trimstring {

    public static void main(String[] args) {
    String s="     Task done    ";
    System.out.println("before trim the space :");
    System.out.println(s);
    String s1=s.trim();
    System.out.println("After trimed :");
    System.out.println(s1);
    }

}
```

Output:

```
before trim the space :
     Task done
After trimed :
Task done
```