ASSIGNMENT-8

SHEKHAR PADHY

Q1.string-1

ANS

```
import java.util.*;
public class StringCharacter {

	public static void main(String[] args) {
		// TODO Auto-generated method stub


	}

}
class usermaincode1{

	String formString() {
		String ans="";
	System.out.println("enter string integer:");

		Scanner sc = new Scanner(System.in);
		int len= sc.nextInt();
		 String[] array=new String[len];
		 for(int i=0;i<len;i++) {
			System.out.println(array[i]=sc.next());

		 }
		 int num=sc.nextInt();


		return ans;
	}

}
```

Q2.reverse string with position

ANS

```
import java.util.*;
public class ReverseString {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Scanner sc =new Scanner(System.in);
		System.out.println("enter string");
		String s =sc.next();
		System.out.println("enter length ");
		int len =sc.nextInt();
		System.out.println("enter position");
		int pos=sc.nextInt();
		usermaincode2 umc =new usermaincode2();
		String ans=umc.reverseSubString(s,pos,len);
		System.out.println(ans);


	}
```

```
}
class usermaincode2{
	public String  reverseSubString(String s,int len,int pos) {
	StringBuilder input=new StringBuilder();
	// append a string into StringBuilder input1
	input.append(s);

	 input.reverse();
	 String ans=input.substring(pos,pos+len);
	return ans;
	}


}
```

Q3.3. Fetching Middle Characters from String

ANS

```
import java.util.Scanner;

public class EvenMiddleLetters {
	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Scanner sc = new Scanner(System.in);
		String s = sc.nextLine();
		String s1 = UserMainCode3.getMiddleChars(s);
		System.out.println(s1);


	}
	class UserMainCode3 {
		public static String getMiddleChars(String str) {
			int index, length;

		if (str.length() % 2 == 0) {
		index = str.length() / 2 - 1;
		length = 2;
		}
		else {
		index = str.length() / 2;
		length = 1;
		}
		return str.substring(index, index + length);
		}

}
}
```

Q4.String processing – Long + Short + Long

ANS

```
import java.util.Scanner;
public class StringAddition {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Scanner  sc =new Scanner(System.in);
		String s1,s2;
		System.out.println("Enter 1st  String:");
		s1=sc.next();
		System.out.println("Enter 2nd String:");
		s2=sc.next();
```

```
		if(s1.length()>s2.length()) {
			System.out.println(s1+s2+s1);
		}
		else {
			System.out.println(s2+s1+s2);
		}


	}

}
```

Q5.Strings Processing - Replication

ANS

```
import java.util.Scanner;
public class StringReplication {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		String s;
		int i;
		Scanner sc =new Scanner(System.in);
		System.out.println("Enter a string");
		s=sc.next();
		System.out.println("Enter the number how many times u want the string");
		i=sc.nextInt();
		StringBuffer sb = new StringBuffer();
		for(int j=0; j<i;j++) {
			sb.append(s);


		}
		System.out.println(sb);




	}

}
```

Q6.flush character

ANS

```
import  java.util.*;
public class FlushCharacter {

	public static void main(String[] args) {
		Scanner in=new Scanner(System.in);
		String s1=in.nextLine();
		System.out.println(UserMainCode.getSpecialChar(s1));
		in.close();
		}
		}
		class UserMainCode{
		public static String getSpecialChar(String s1){
		int x=s1.length();
		StringBuffer sb=new StringBuffer();
		for(int i=0;i<x;i++){ char
		c=s1.charAt(i);
		if(!Character.isAlphabetic(c))
```

```
                sb.append(c);
                }
                return sb.toString();
                }
        }
```

Q7.negative string

ANS

```
import java.util.*;
public class NegativeString {
        public static void main(String[] args) {
                Scanner scanner=new Scanner(System.in);
                System.out.println("Enter the String:");
                String s=scanner.nextLine();
                String ans=UserMainCodes.negativeString(s);
                System.out.println(ans);
        }
        class UserMainCodes{
                public static String negativeString(String s) {
                String newstring = ""; int l =
                s.length();
                for(int i = 0; i < l; i++)
                {
                if(i-1 >= 0 && Character.isLetter(s.charAt(i-1))||
                i+2 < l && Character.isLetter(s.charAt(i+2)))
                {
                newstring += s.charAt(i);
                continue;
                }
                else if(i+1 < l && s.substring(i, i+2).equals("is"))
                {
                newstring += "is not";
                i++;
                } else
                newstring += s.charAt(i);
                }
                return newstring;
                }
        }


}
```

Q8.name shrinking

ANS

```
import java.util.*;
public class NameShrinking {
        public static void main(String[] args) {
                //TODO Auto-generated method stub
                Scanner sc = new Scanner(System.in);
                String s1 = sc.nextLine();
                System.out.println(UserMain.getFrmatedString(s1));
                }

}
class UserMain{
public static String getFrmatedString(String s1) { StringBuffer sb = new StringBuffer();
StringTokenizer st = new StringTokenizer(s1, " ");
String s2 = st.nextToken(); String s3 =
```

```
st.nextToken(); String s4 = st.nextToken();
sb.append(s4).append(" ");
sb.append(s3.substring(0, 1)); sb.append(".");
sb.append(s2.substring(0, 1));
System.out.println(sb); return s1.toString();
}
}
```

Q9.start case

ANS

```
import java.util.*;
public class FirstLetterCapital {
	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Scanner sc = new Scanner(System.in);
		String s1= sc.nextLine();
		System.out.println(UserMains.printCapitalized(s1));
		}

}
class UserMains{
public static String printCapitalized(String s1){
	StringBuffer sb=new StringBuffer();
StringTokenizer t=new StringTokenizer(s1," ");
while(t.hasMoreTokens())
{
String s2=t.nextToken();
String s3=s2.substring(0,1);
String s4=s2.substring(1, s2.length());
sb.append(s3.toUpperCase()).append(s4).append(" ");
}
return sb.toString();
}
}
```

Q10.occurance count

ANS

```
import java.util.*;
public class OccuranceCount {
	public static void main(String[] args) {
		User sim = new User(); int y = sim.wordCount();
		System.out.println(y);
		}

}
class User{
public static int wordCount() {
Scanner sc = new Scanner(System.in);
int count = 0;
System.out.println("Enter a sentence");
String s = sc.nextLine();
System.out.println("please type the word for which you want to perform wordCount");
String s1 = sc.nextLine();
String s3 = s.toLowerCase();
String[] words =s.split(" ");
System.out.println("count of word you entered is:");
for(int i=0;i<words.length;i++) {
if(words[i].equals(s1)) {
count++;
}
```

```
}
return count;
}
}
```

Q11 string

Ans

```
import java.util.*;

public class StringArrangement {
	public static void main(String[] args) {
		//TODO Auto-generated method stub
		Scanner sc = new Scanner(System.in);
		String s = sc.next();
		System.out.println(flush.moveX(s));
		}
}
class flush{
	public static String moveX(String s) { String str=new String();
	String s1 = s.replaceAll("[x]", "");
	String s2 = s.replaceAll("[^x]", ""); System.out.println(s1 + s2);
	return s1;
}
}
```