|  |
| --- |
| Q1. Java Program to Add Characters to a String  Input:  Input custom string = Hello  Output:  String to be added Ram;  If end position, Output: HelloRam  If in beginning, Output: RamHello  If at sat 3rd index, Output: HelRamlo |
| import java.util.Scanner;  class Task\_1 {  public static void main(String args[]) {  Scanner obj = new Scanner(System.in);  System.out.print("Input custom string: ");  String str = obj.nextLine();  StringBuffer st = new StringBuffer(str);  System.out.print("String to be added: ");  String s = obj.nextLine();  System.out.println("Where do you want to add the string?");  System.out.println("Type E for end, B for beginning, M for 3rd index");  char ch = obj.next().charAt(0);  switch (ch) {  case 'B':  st.insert(0, s);  System.out.println("String added at the beginning: " + st);  break;  case 'E':  st.append(s);  System.out.println("String added at the end: " + st);  break;  case 'M':  st.insert(3, s);  System.out.println("String added at the 3rd index: " + st);  break;  default:  System.out.println("Invalid option.");  }  }  obj.close();  }  } |
|  |
|  |
| Q2. Java Program to Iterate Over Characters in  String?  Input : str = “welcometobhopal”  Output : w e l c o m e t o b h o p a l  Input : str = &quot;RAM&quot;  Output : R A M |
| import java.util.Scanner;  class Task\_2 {  public static void main(String args[]) {  Scanner obj = new Scanner(System.in);  System.out.print("Input custom string: ");  String str = obj.nextLine();  StringBuffer st = new StringBuffer();  for(int i=0;i<str.length();i++)  {    st.append(str.charAt(i));  st.append(" ");    }  System.out.println("After = "+st.toString());    }  } |
|  |
|  |
| Q3. Java Program to get a character from a  String?  Examples:  Input: str = &quot;hello&quot;, index = 3  Output: l  Input: str = &quot;welcoME to bhopal&quot;, index = 6  Output: E |
|  |
| import java.util.Scanner;  class Task\_3 {  public static void main(String args[]){    Scanner obj=new Scanner(System.in);  System.out.print("Input : str = ");  String str=obj.nextLine();  System.out.print("Input index = ");  int index=obj.nextInt();  for(int i=0;i<str.length();i++)  {  if(str.charAt(i)==str.charAt(index))  {  System.out.println(str.charAt(i));  break;  }    }  }  } |
|  |
|  |
| Q4. Java Program to Convert String to String Array?  Example:  String Based Question Part 6  Input: String : &quot;Welcome to Bhopal&quot;  Output: String[]: [Welcome to Bhopal]  Input: String : &quot;A computer science portal&quot;  Output: String[] : [A computer science portal] |
| import java.util.Scanner;  class Task\_4 {  public static void main(String args[]){    Scanner obj=new Scanner(System.in);  System.out.print("Input : str = ");  String str=obj.nextLine();  StringBuffer st=new StringBuffer();    st.insert(0, '[');  st.append(str);  st.append(']');  System.out.println(st);  }  } |
|  |
|  |

|  |
| --- |
| Q5. Swapping Pairs of Characters in a String in Java?  Input: str = “Java”  Output: aJav  Explanation: The given string contains even number of characters. Therefore,  we swap every pair of characters. |
| import java.util.Scanner;  class Task\_5{  public static void main(String args[]){  Scanner obj=new Scanner(System.in);  System.out.print("Enter String : ");  String str=obj.nextLine();  char[] chars = str.toCharArray();  for (int i = 0; i < chars.length - 1; i += 2) {  char temp = chars[i];  chars[i] = chars[i + 1];  chars[i + 1] = temp;  }  System.out.println(chars);    }  } |
|  |