

Q1. Explain String class in Java Programming?

In java String class is a built in class which is used to handle text or alphanumeric values. It can store maximum 2kb of the text

String(Immutable): if our content are fixed and we wont Change then we should go for String Class

Example:

Adhar No, Enrollment No, PAN CARD NO

String class Provide SCP(String Constant Pool) for Memory Management

String class can have in built constructor or methods

String class Constructor

1. String()
 2. String(String)
 3. String(char [])
 4. String(char[],int start,int no)
 5. String(byte[],int start,int no)
-

```
class S1{  
    public static void main(String args[]){
```

```
        String a=new String();  
        System.out.println(a);  
        String b=new String("Cybrom");  
        System.out.println(b);  
        char arr[]={'w','e','l','c','o','m','e'};  
        String c=new String(arr);  
        System.out.println(c);  
        String d=new String(arr,3,4);
```

```
System.out.println(d);  
byte b1[]={65,66,67,68,69,70};  
String e=new String(b1,0,3);  
System.out.println(e);
```

```
String f="welcome to bhopal";  
System.out.println(f);
```

```
}  
}
```

Q2. Explain String class methods in java Programming?

1. charAt()
2. compareTo()
3. concat()
4. contains()
5. endsWith()
6. startsWith()
7. equals()
8. equalsIgnoreCase()
9. indexOf()
10. lastIndexOf()
11. isEmpty()
12. length()
13. split()
14. substring()
15. toCharArray()
16. toLowerCase()
17. toUpperCase()

- 18. toString()
 - 19. trim()
 - 20. valueOf()
-

StringBuffer(Mutable): if our content are not fixed and we want to perform some modification but thread safety is required then we should go for StringBuffer.

StringBuilder(Mutable): if our content are not fixed and we want to perform some modification but thread safety is not required then we should go for StringBuilder.

Q1. Explain String charAt() method in java programming?

Ans: It is used to extract character by character from the specified index

Syntax:

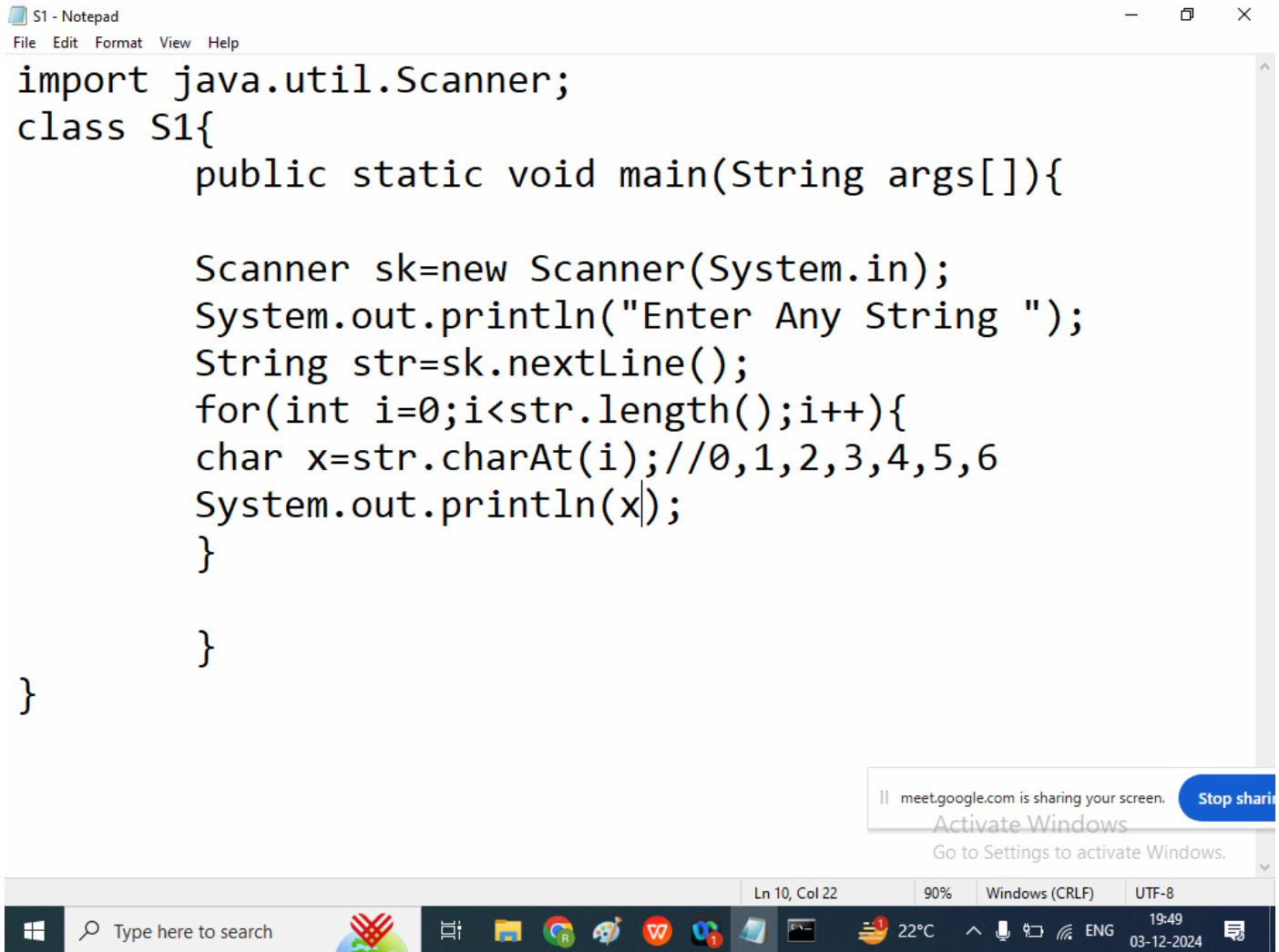
char charAt(int index)

Example:

Write a java program to print characters of the given String

Enter Any String: WELCOME

W
E
L
C
O
M
E



```
import java.util.Scanner;
class S1{
    public static void main(String args[]){

        Scanner sk=new Scanner(System.in);
        System.out.println("Enter Any String ");
        String str=sk.nextLine();
        for(int i=0;i<str.length();i++){
            char x=str.charAt(i);//0,1,2,3,4,5,6
            System.out.println(x);
        }

    }
}
```

Ln 10, Col 22 90% Windows (CRLF) UTF-8

19:49
03-12-2024

Q2. Write a java program to print reverse character of the given String?

Enter Any String: ABCDE

E
D
C
B
A

```
import java.util.Scanner;
class S1{
    public static void main(String args[]){

        Scanner sk=new Scanner(System.in);
        System.out.println("Enter Any String ");
        String str=sk.nextLine();
        for(int i=str.length()-1;i>=0;i--){
            char x=str.charAt(i);//0,1,2,3,4,5,6
            System.out.println(x);
        }

    }
}
```

meet.google.com is sharing your screen.

Stop sharing

Activate Windows

Go to Settings to activate Windows.

Ln 10, Col 11

90%

Windows (CRLF)

UTF-8



Type here to search

