

# Question 5

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Write a program to extract a portion of character string and print the extracted string. Assume that in character are extracted starting with nth character (don't use substring() method).

```
import java.io.*;

class Extract {
    public static void main(String args[]) {
        String str;
        int i, n, m;

        try {
            DataInputStream b = new DataInputStream(System.in);
            System.out.println("Enter a string:");
            str = b.readLine();

            System.out.println("Enter the position from where the string is to be extracted:");
            n = Integer.parseInt(b.readLine());

            System.out.println("Enter the number of characters to be extracted:");
            m = Integer.parseInt(b.readLine());

            System.out.println("The extracted string is:");
            for (i = n - 1; i < (n + m - 1); i++) {
                System.out.print(str.charAt(i));
            }
            System.out.println();
        } catch (Exception e) {}
    }
}
```

OR

```

import java.util.*; // or java.util.Scanner;

class Extract {
    public static void main(String args[]) {
        String str;
        int i, n, m;
        Scanner b = new Scanner(System.in);

        System.out.println("Enter a string:");
        str = b.nextLine();

        System.out.println("Enter the position from where the string is to be extracted:");
        n = b.nextInt();

        System.out.println("Enter the number of characters to be extracted:");
        m = b.nextInt();

        System.out.println("The extracted string is:");
        for (i = n - 1; i < (n + m - 1); i++) {
            System.out.print(str.charAt(i));
        }
        System.out.println();
    }
}

```

### Output:

```

Enter a string:
Good Morning. Have a productive day
Enter the position from where the string is to be extracted:
2
Enter the number of characters to be extracted:
11
The extracted string is:
ood Morning

```