Print final z given xyz

Take in x, y, z as integer inputs from the user,

- a. If x is greater than or equal to 20 and z is less than 100 then add 200 to the value of z.
- b. If x is greater than or equal to 10 or y is less than 50 Then add 100 to the value of z.

In the end print the final value of **z** as an integer output.

of
$$(x >= 20 \text{ k/k } z < 100)$$
?
 $z = z + 200;$
 $y = 10 \text{ } y < 50)$?
 $z = z + 100;$
 $z = z + 100;$

```
&& operator works when both cond"
  are true
  Il operator works when any one of
code the cond" is true.
  public static void main(String[] args) {
     Scanner scn = new Scanner(System.in);
     int x = scn.nextInt();
     int y = scn.nextInt();
     int z = scn.nextInt();
```

if $(x \ge 20 \&\& z < 100)$ {

 $}$ else if (x >= 10 || y < 50) {

z = z + 200;

z = z + 100;

System.out.println(z);

Print if divisible by both 3 and 4

} else {

System.out.println("Not Divisible");

Print z and x divisible by 3

If x was divisible by 3, the program checked the value of y.

If y was greater than or equal to 200, the program added 10 to the value of z.

If y was greater than or equal to 100 but less than 200, the program added 5 to the value of z.

If y was greater than or equal to 50 but less than 100, the program added 4 to the value of z.

If y was less than **50**, the program added **1** to the value of **z**.

 \rightarrow On the other hand, if **x** was not divisible by **3**, the program also checked the value of **y**.

If y was greater than or equal to 200, the program added 3 to the value of z.

If y was greater than or equal to 100 but less than 200, the program added 2 to the value of z.

If y was less than 100, the program added 1 to the value of z.

Finally, the program added 10 to the value of z and printed the final value of z.

Can you write a program to perform these operations using your programming skills?

```
public static void main(String[] args) {
code
                  Scanner scn = new Scanner(System.in);
                  int x = scn.nextInt();
                  int y = scn.nextInt();
                  int z = scn.nextInt();
                  if (x \% 3 == 0) {
                      if (y >= 200) {
                          z += 10;
                      } else if ( y >= 100 ) {
                          z += 5;
                      } else if ( y >= 50 ) {
                          z += 4;
                      } else {
                          z += 1;
                  } else if ( x % 3 != 0 ) {
                      if (y >= 200) {
                          z += 3;
                      } else if ( y >= 100 ) {
                          z += 2:
                      } else {
                          z += 1;
                      }
                  }
                  z += 10;
                  System.out.println(z);
```

int a = 5; Compliation exception
Lisyntex exeption Kuntime exception logic exception

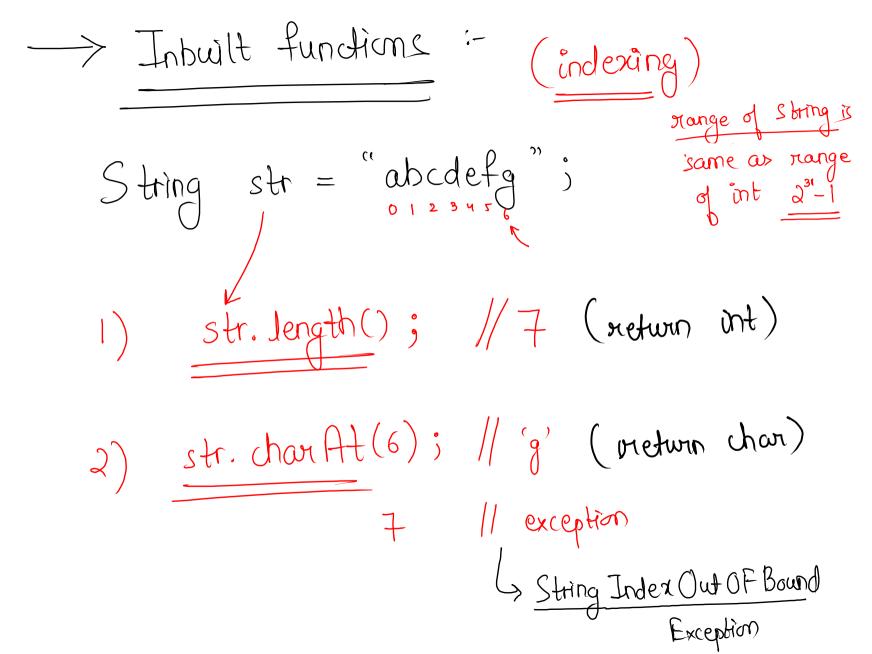
String str = scn. nextLine(); // abc_XYZ_eFg"

String str = scn. next(); // abc

Input

() "abc_XYZ_eFg"

2) "ahcd"



Input a char input string

Ly char c = scn. next(). charAt(0);

Grade the student-2

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    char ch = scn.next().charAt(0);
    switch(ch) {
        case 'A':
            System.out.println("Excellent!");
            break;
        case 'B':
            System.out.println("Well done!");
            break:
        case 'C':
            System.out.println("You passed!");
            break:
        case 'F':
            System.out.println("Better luck next time!");
            break:
        default:
            System.out.println("Invalid grade");
```

```
import java.io.*;
                                                                                 Finished in 182 ms
import java.util.*;
                                                                                 Please enter a number :
                                                                                 Now please enter a char :
public class Main {
                                                                                 inputed number is : 5
                                                                                 inputed char is : a
    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        System.out.println("Please enter a number : ");
        int n = scn.nextInt();
        System.out.println("Now please enter a char : ");
        char c = scn.next().charAt(0);
                                                                               stdin 🔽
                                                                               5
        System.out.println("inputed number is : " + n);
        System.out.println("inputed char is : " + c);
```