**coreJava || Day4 || 22 july 2022**

—--------------------------------------------------

1)Consider the following code snippet

if (number1>= 0)

if (number1== 0)

System.out.println("first"),

Else

System.out.println("second");

System.out.println("third"),

Exercise: What output do you think the code will produce if number is 3?

**O/p :third**

Q2)Using only spaces and line breaks, reformat the alpove Q1) code snippet to make the contral flow easier to understand

**if (number1>= 0)**

**if (number1== 0)**

**System.out.println("first"),**

**Else**

**System.out.println("second");**

**System.out.println("third")**

Q3)Convert the following if-else if code into switch case for temperature

if(vara 1)

System.out.println("low"),

else if(var == 2)

System.out.println("medium");

else if(var == 3)

System.out.println("high"))

else

System.out.println("abnormal");

**Switch-case solution**

**switch(var) {**

**case 1:**

**System.out. println(“low”);**

**break;**

**case 2:**

**System.out. println(“medium”);**

**break;**

**case 3:**

**System.out. println(“high”);**

**Break;**

**default:**

**System.out. println(“abnormal”);**

**}**

Q4)Rewrite the following program code using the suitable if command.

switch(m){

case 0: x=x+2;

System.out.println("X=" x);

break;

case 13

x=x+4;

System.out.println("X=" x);

break;

case 2:

x=x+6;

System.out.println("X="x); break;

}

**Solution :**

**if(m==0){**

**x=x+2;**

**System.out.println("X=" x);**

**}**

**else if(m==13){**

**x=x+4;**

**System.out.println("X=" x);**

**break;**

**}**

**else if(m==2){**

**x=x+6;**

**System.out.println("X="x);**

**break;**

**}**

[1:00](https://coditaseltp-july2022.slack.com/archives/D03PP4BAY72/p1658475044288609)

Q5) Take two int values from the user and print the greatest among them

**class Greatest\_AmongTwo\_code{**

**public int greater(int a, int b){**

**return a>b ? a : b;**

**}**

**}**

**public class Greatest\_AmongTwo {**

**public static void main(String[] args) {**

**Scanner scanner = new Scanner(System.*in*);**

**int num1 = scanner.nextInt();**

**int num2 = scanner.nextInt();**

**Greatest\_AmongTwo\_code greatest\_amongTwo\_code = new Greatest\_AmongTwo\_code();**

**System.*out*.println("Greater one is :" + greatest\_amongTwo\_code.greater(num1, num2));**

**}**

**}**

**o/p:**

**10**

**15**

**Greater one is :15**

Q6) Take input of age of 3 people by user and determine oldest and youngest among them. (by applying age criteria)

class Older\_YoungerCode {

public static void age\_Determiner(int age1, int age2, int age3) {

if (age1 > age2)

{

if (age1 > age3) {

System.*out*.println("Older " + age1);

if (age2 < age3)

System.*out*.println("Younger " + age2);

else

System.*out*.println("Younger " + age3);

} else {

System.*out*.println("Older " + age3);

if (age1 > age2)

System.*out*.println("Younger " + age2);

else

System.*out*.println("Older " + age1);

}

}

else

{

if (age2 > age3) {

System.*out*.println("Older" + age2);

if (age1 > age3)

System.*out*.println("Younger" + age3);

else

System.*out*.println("Younger" + age1);

} else {

System.*out*.println("Older" + age3);

if (age1 > age2)

System.*out*.println("Younger" + age2);

else

System.*out*.println("Younger" + age1);

}

}

}

}

public class Older\_Younger {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.*in*);

int age1 =scanner.nextInt();

int age2 =scanner.nextInt();

int age3 =scanner.nextInt();

Older\_YoungerCode.*age\_Determiner*(age1,age2,age3);

}

}

/\*

12

9

13

Older13

Younger9

\*/

Q7)Perform below operations:

1)Print below data using any loop and jumping statement

Monday Tuesday

Wednesday

Friday

Saturday

Sunday

**class Days\_code{**

**public void dayPrinter(String[] string){**

**for (String day: string) {**

**System.*out*.println(day);**

**}**

**}**

**}**

**public class Days {**

**public static void main(String[] args) {**

**String[] week =new String[]{**

**"Monday","Tuesday","Wednesday","Thursday","Friday","Saturday","Sunday"**

**};**

**Days\_code days\_code = new Days\_code();**

**days\_code.dayPrinter(week);**

**}**

**}**

2)Out of 7 days in a week, Skip only Today's day.

**class Days\_code{**

**public void dayPrinter(String[] string ,String today){**

**for (String day: string) {**

**if(day.equalsIgnoreCase(today))**

**continue;**

**System.*out*.println(day);**

**}**

**}**

**}**

**public class Days {**

**public static void main(String[] args) {**

**String[] week =new String[]{**

**"Monday","Tuesday","Wednesday","Thursday","Friday","Saturday","Sunday"**

**};**

**Days\_code days\_code = new Days\_code();**

**// days\_code.dayPrinter(week);**

**Scanner scanner =new Scanner(System.*in*);**

**System.*out*.println("Enter today's name : ");**

**String today= scanner.next();**

**days\_code.dayPrinter(week,today);**

**}**

**}**

**O/P**

**Monday**

**Tuesday**

**Wednesday**

**Thursday**

**Saturday**

**Sunday**

3)Out of 31, print date till today (passed till current date like for Jan 1-20 as today is 20th Jan)

class PrintDate\_TillToday\_code{

public static void date\_printer(int today){

for(int i=1;i<=31;i++){

if(i==today)

break;

System.*out*.println("July " + i + " 2022" );

}

}

}

public class PrintDate\_TillToday {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.*in*);

int today=scanner.nextInt();

PrintDate\_TillToday\_code.*date\_printer*(today);

}

}

/\*

5

July 1 2022

July 2 2022

July 3 2022

July 4 2022

\*/

**PATTERNS**

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**public class Pattern1 {**

**public static void main(String[] args) {**

**int j = 5;**

**for (int i = 0; i < 5; i++) {**

**j=5;**

**j=j-i;**

**while (j > 0) {**

**System.*out*.print(" ");**

**j--;**

**}**

**System.*out*.print("\*\*\*\*\*\n");**

**}**

**}**

**}**

**Pattern 2:**