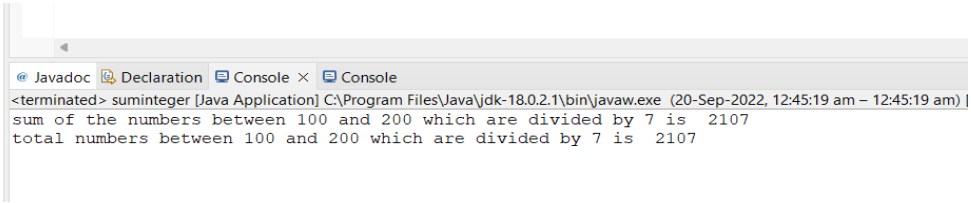
1. **Write a program to find sum of all integers greater than 100 and less than 200 that are divisible by 7.**

```
public class suminteger {

	public static void main(String[] args)
	{
		int sum = 0;
		int count = 0;
		for (int i = 101; i < 200;i++)
		{
			if (i%7==0)
			{
				sum = sum+i;
				count++ ;
			}
		}
		System.out.println("sum of the numbers between 100 and 200
which are divided by 7 is  "+sum);
		System.out.println("total numbers between 100 and 200 which are
divided by 7 is  " +sum);

	}

	 }
```



2 Write a program in java that ask three numbers from user and print the greatest among three .

```
import java.util.Scanner;

public class greater {

	public static void main(String[] args) {
		Scanner s= new Scanner (System.in);
		System.out.println("Enter First No");
			int a= s.nextInt();
			System.out.println("Enter Second No");
			int b= s.nextInt();
			System.out.println("Enter Second No");
			int c= s.nextInt();


		if( a>b && a>c)
			System.out.println("First is greater");
		else if(b>a && b>c)
			System.out.println("Second is greater");
		else
		   System.out.println("Third is greater");

	}

}
```

```
<terminated> greater [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe  (20-Sep-2022, 12:4
Enter First No
25
Enter Second No
69
Enter Second No
12
Second is greater
```

3. WAP to find ASCII value of a character .

```
public class ASCII {

	public static void main(String[] args) {
	   char var1 ='A';
	   char var2 = 'a';
	   System.out.println("ASCII Value of A " +  (int) var1);
	   System.out.println("ASCII Value of a "  +  (int) var2);

	}

	 }
```

```
<terminated> ASCII [Java Application] C:\Program
ASCII Value of A 65
ASCII Value of a 97
```

4. Java Program to Check Whether an Alphabet is Vowel or Consonant

```
public class Vovel {

	public static void main(String[] args)
	{
		char var='o';
		 switch (var)
			{

			case 'a':
			case 'e':
			case 'i':
			case 'o':
			case 'u':
				System.out.println("variable is a vowel");
			   break;
			default:
					System.out.println("variable is Consonent");
			}
	}
	 }
```

```
Javadoc  Declaration  Console  Console
<terminated> Vovel [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe  (20-
variable is a vowel
```

5 Check if a Number is Positive or Negative using if else

```
package assignment2;
import java.util.Scanner;
public class positivenegative {

	public static void main(String[] args)
	{
		int n;
		Scanner r= new Scanner(System.in);
		System.out.println("enter the number");
		n=r.nextInt();
		if(n<0)
			System.out.println("number is negative");
		else if(n>0)
		System.out.println("number is positive");
		else
			System.out.println("Zero");
	}
}
```

```
<terminated> positivenegative [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe  (20-Sep-2022
enter the number
-6
number is negative
```

6 WAP for swapping two numbers without using third variable

```
public class Swapwithoutvar {

	public static void main(String[] args)
	{
		int x= 10;
		int y=20;
		System.out.println("before swapping "+ x +  "    " +y);
		x= x+y;
		y= x-y;
		x=x-y;
		System.out.println("after swapping "+ x +  "    " +y);

	}

}
```

```
<terminated> Swapwithoutvar [Java Application] C:\Program Files\Jav
before swapping 10    20
after swapping 20    10
```

7 Write a program that would print the information (name, year of joining, salary, address) of three employees by creating a class named 'Employee'. The output should be as follows:

Name Year of joining Address

Ashish
1994 64C- WallsStreat

Sam
2000 68D- WallsStreat

John
1999 26B- WallsStreat

```
package assignment2;
import java.util.Scanner;
public class Employee2 {

	public static void main(String[] args)
	{
		String name1="Aashis",name2="Sam",name3="John";
		 int    yoj1=1994,yoj2=2000,yoj3=1999;
		 String add1="64C-WallsStreat",add2="68D-
WallsStreat",add3="26B-WallsStreat";
		 Scanner s= new Scanner(System.in);


 System.out.println(name1+ "   "+ yoj1+"    "+ add1);
 System.out.println(name2+ "      " + yoj2+"    "+ add2);
 System.out.println(name3+ "    "+ yoj3+"    "+ add3);

	}

}
```

```
Javadoc  Declaration  Console ×  Console
<terminated> Employee2 [Java Application] C:\Program Files\Java\jc
Aashis   1994    64C-WallsStreat
Sam      2000    68D-WallsStreat
John     1999    26B-WallsStreat
```

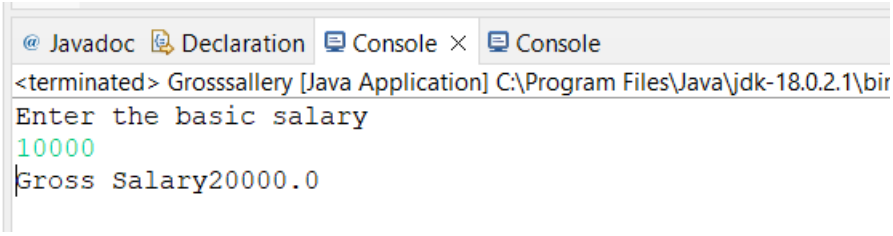
8 WAP to input basic salary of an employee and calculate its Gross salary according to following:

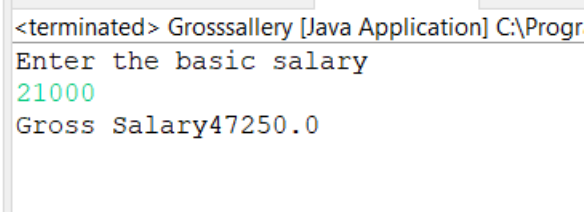
Basic Salary <= 10000 : HRA = 20%, DA = 80%

Basic Salary <= 20000 : HRA = 25%, DA = 90%

Basic Salary > 20000 : HRA = 30%, DA = 95%

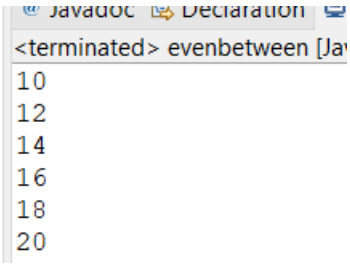
```java
import java.util.Scanner;

public class Grosssallery {

	public static void main(String[] args)
	{
		float basic ;
		System.out.println("Enter the number");
		Scanner s=new Scanner(System.in);
		basic=s.nextInt();
		if(basic<=10000)
		   {
			float HRA = (float) (basic * 0.2);
			float DA =   (float) (basic*0.8);
			float gross=(basic+DA+HRA);
			System.out.print("Gross Salary"+ gross);

		   }
		else if(basic<=2000)
		{
			float HRA = (float) (basic * 0.25);
			float DA =   (float) (basic*0.9);
			float gross=(basic+DA+HRA);
			System.out.print("Gross Salary"+ gross);

		   }
		else
		{
			float HRA = (float) (basic * 0.3);
			float DA =   (float) (basic*0.95);
			float gross=(basic+DA+HRA);
			System.out.print("Gross Salary"+ gross);
		}


	}

}
```





Q 8 Q wap to print even numbers between 10 to 20

```
public class evenbetween {

	public static void main(String[] args)
	{
		for(int i=10;i<=20;i++)
		{
			if(i%2==0)
				System.out.println(i);
		}

	}

}
```



Q 9 wap to check if a number is prime or not

```
import java.util.Scanner;
public class Primenum {

	public static void main(String[] args)
	{
	int n,count=0;
	System.out.println("Enter the number");
	Scanner s=new Scanner(System.in);
	n=s.nextInt();
		for(int i=1;i<=n;i++)
		{
			if(n%i==0)
			{
				count++;
			}
		}

		if (count==2)
			System.out.print("Prime number");
		else
			System.out.print("Not prime number");
	}
}
```

```
<terminated> Primenum [Java Application] C:\Prog
Enter the number
19
Prime number
```

Q 10 wap to reverse a given digit 123 321

```
public class reversedigit {

	public static void main(String[] args)
	{
		int n=123;
		int rem;

		System.out.print(n%10);// 4
		n=n/10;
		System.out.print(n%10);
	    n=n/10;
		System.out.print(n%10);


	}

}
```

```
<terminated> reversedigit [Jav
321
```