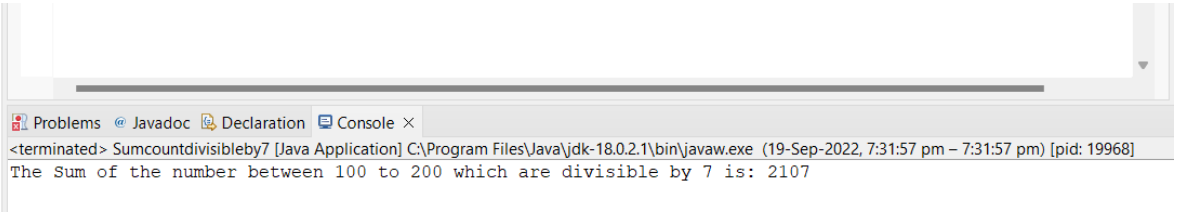
1. Write a program to find sum of all integers greater than 100 and less than 200 that are divisible by 7.

```
package Lab2;

public class Sumcountdivisibleby7 {

	public static void main(String[] args) {

		int sum = 0;
		for (int i = 101; i < 200; i++)
		{
		    if (i % 7 == 0)
		    {
		        sum = sum + i;

		    }
		}
		System.out.println("The Sum of the number between 100 to 200 which are divisible by 7 is: "+sum);

		}
		}
```



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

```
package Lab2;

import java.util.Scanner;

public class Largestamong3no {

	public static void main(String[] args) {

	    Scanner s= new Scanner(System.in);
	  int n1,n2,n3;
	  System.out.println("enter any three numbers");
	  n1=  s.nextInt();
	  n2=  s.nextInt();
	  n3=  s.nextInt();
	       if( n1 >= n2 && n1 >= n3)
	           System.out.println(n1 + " is the largest number.");

	       else if (n2 >= n1 && n2 >= n3)
	           System.out.println(n2 + " is the largest number.");

	       else
	           System.out.println(n3 + " is the largest number.");
	}

}
```

---

3. WAP to find ASCII value of a character .

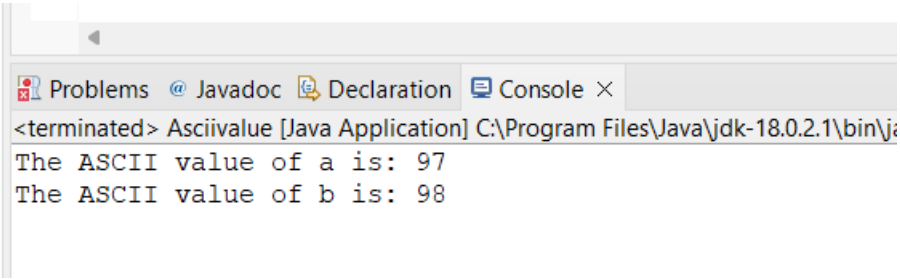
```
package Lab2;

public class Asciivalue {

	public static void main(String[] args) {
		int ch1 = 'a';
		int ch2 = 'b';
		System.out.println("The ASCII value of a is: "+ch1);
		System.out.println("The ASCII value of b is: "+ch2);

	}

}
```



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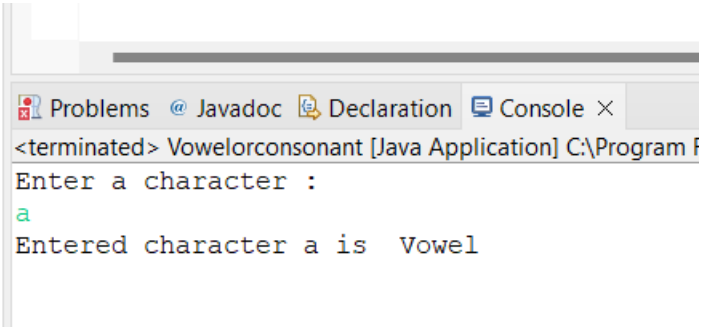
4. Java Program to Check Whether an Alphabet is Vowel or Consonant

```
package Lab2;

import java.util.Scanner;

public class Vowelorconsonant {

	public static void main(String[] args) {
		int i=0;
		Scanner sc=new Scanner(System.in);
		System.out.println("Enter a character : ");
		char ch=sc.next( ).charAt(0);

	if(ch=='a'||ch=='e'||ch=='i'||ch=='o'||ch=='u'||ch=='A'||ch=='E'||ch=
='I'||ch=='O'||ch=='U')
		{
		System.out.println("Entered character "+ch+" is  Vowel");
		}
		else if((ch>='a'&&ch<='z')||(ch>='A'&&ch<='Z'))
			System.out.println("Entered character "+ch+" is
Consonant");
```

```
                else
                System.out.println("Not an alphabet");

        }

}
```



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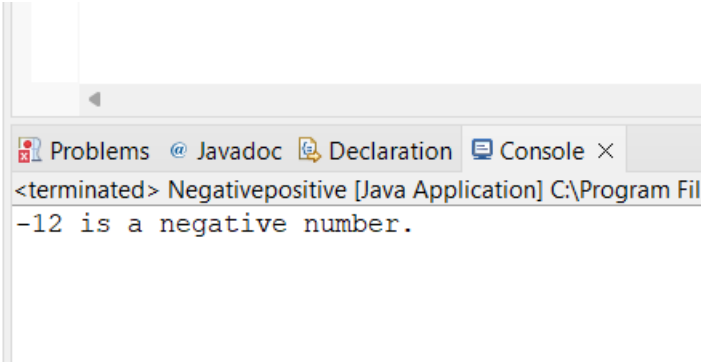
5 Check if a Number is Positive or Negative using if else

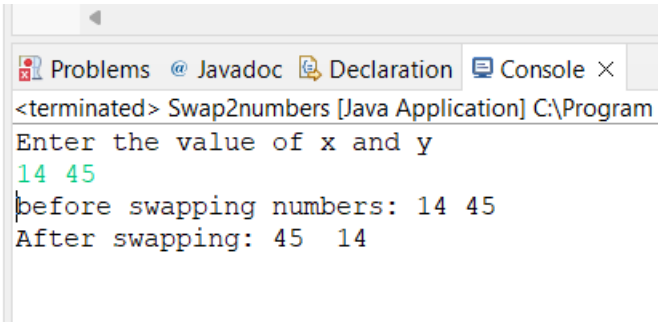
```
package Lab2;

public class Negativepositive {

        public static void main(String[] args) {
                int number = -12;


          if (number < 0.0)
                System.out.println(number + " is a negative number.");


          else if ( number > 0.0)
                System.out.println(number + " is a positive number.");

          else
                System.out.println(number + " is 0.");

        }

}
```



---

6 WAP for swapping two numbers without using third variable

```
package Lab2;
import java.util.Scanner;
public class Swap2numbers {

	public static void main(String[] args) {
		System.out.println("Enter the value of x and y");
		Scanner sc = new Scanner(System.in);

		int x = sc.nextInt();
		int y = sc.nextInt();
		System.out.println("before swapping numbers: "+x +" "+ y);

		x = x + y;
		y = x - y;
		x = x - y;
		System.out.println("After swapping: "+x +"  " + y);

	}

}
```



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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:

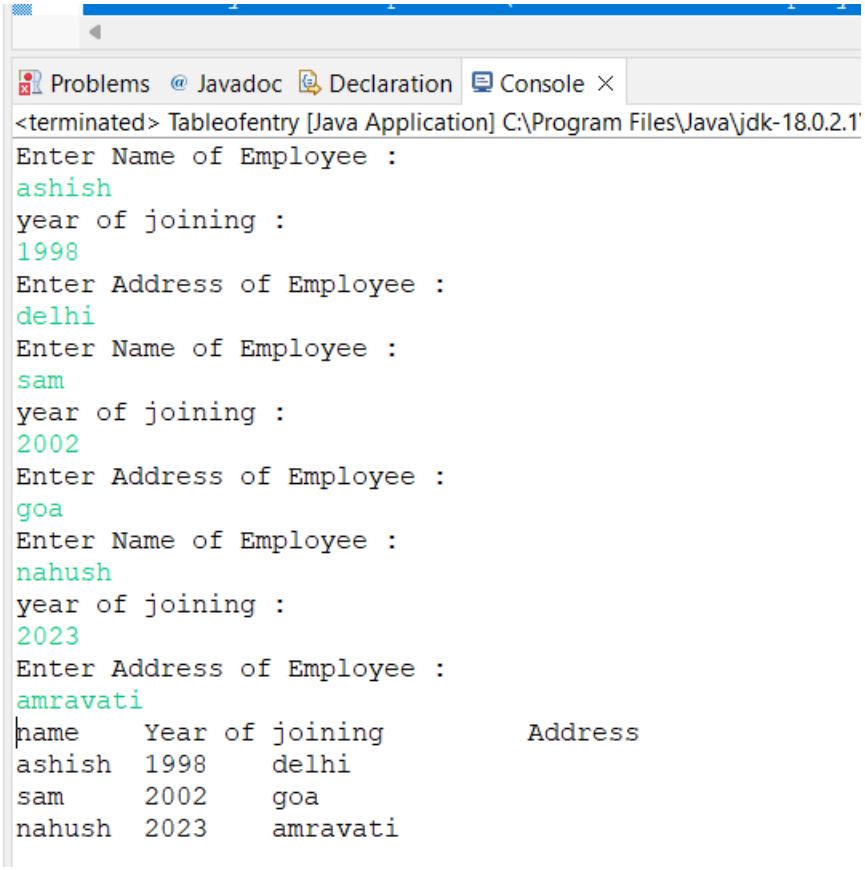
Name Year of joining Address

Ashish
1994 64C- WallsStreat

Sam
2000 68D- WallsStreat

John
1999 26B- WallsStreat

```java
package Lab2;

import java.util.Scanner;

public class Tableofentry {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		System.out.println("Enter Name of Employee :");
		String A1=sc.next();
		System.out.println("year of joining :");
		int A2=sc.nextInt();
		System.out.println("Enter Address of Employee :");
		String A3=sc.next();

		System.out.println("Enter Name of Employee :");
		String B1=sc.next();
		System.out.println("year of joining :");
		int B2=sc.nextInt();
		System.out.println("Enter Address of Employee :");
		String B3=sc.next();


		System.out.println("Enter Name of Employee :");
		String C1=sc.next();
		System.out.println("year of joining :");
		int C2=sc.nextInt();
		System.out.println("Enter Address of Employee :");
		String C3=sc.next();

		System.out.println("name" + "\t"+"Year of joining "+"\t"
+"Address");
		System.out.println(A1 + "\t" + A2 + "\t" + A3);
		System.out.println(B1 +"\t" + B2+ "\t" + B3);
		System.out.println(C1 +"\t" + C2+ "\t" + C3);
		}

	}
```



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

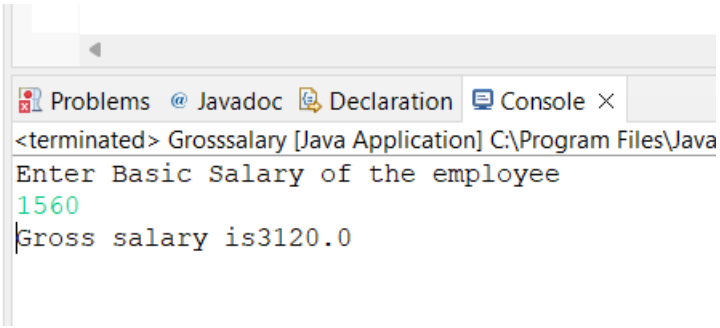
Basic Salary <= 10000 : HRA = 20%, DA = 80%

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

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

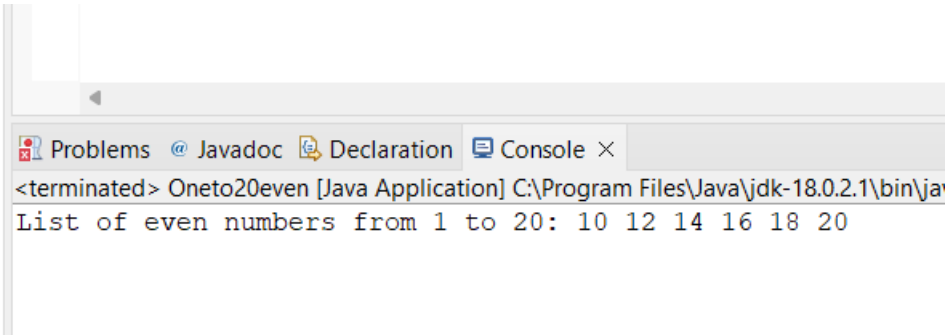
```
package Lab2;

import java.util.Scanner;

public class Grosssalary {

	public static void main(String[] args) {
		Scanner s= new Scanner(System.in);
	  int x;
	  System.out.println("Enter Basic Salary of the employee");
	  x=  s.nextInt();
	  if(x<=10000)
		System.out.println("Gross salary is" + (x+x*0.2+x*0.8));
	  else if(x<=20000)
		System.out.println("Gross salary is" + (x+x*0.25+x*0.9));
```

```
        else
            System.out.println("Gross salary is" + (x+x*0.3+x*0.95));
    }

}
```



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

```
package Lab2;

public class Oneto20even {

    public static void main(String[] args) {
        int number=20;
        System.out.print("List of even numbers from 1 to "+number+":
");
        for (int i=10; i<=number; i++)
        {

        if (i%2==0)
        {
        System.out.print(i + " ");
        }
        }
        }

    }
```



Q 10 wap to reverse a given digit 123 321

```
package Lab2;

public class Reversedigit {

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

```
            int num = 1234567, reversed = 0;

               for(;num != 0; num /= 10) {
                 int digit = num % 10;
                 reversed = reversed * 10 + digit;
               }

               System.out.println("Reversed Number: " + reversed);

        }

}
```