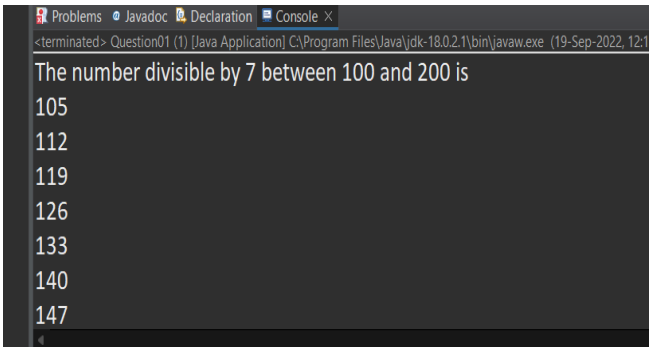
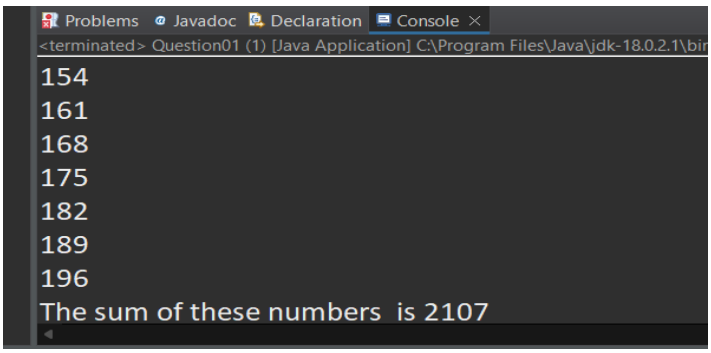
//Q 1 Write a program to find sum of all integers greater than 100 and less than 200 that are divisible by 7.

```
package Lab2;


public class Question01 {


	public static void main(String[] args) {
		int i,sum=0;
		System.out.println("The number divisible by 7 between 100 and 200 is ");
		for(i=100;i<200;i++)
		{
			if(i%7==0)
			{
				sum = sum + i;
			System.out.println(i);
			}
		}
System.out.println("The sum of these numbers  is " +sum);
	}


}
```



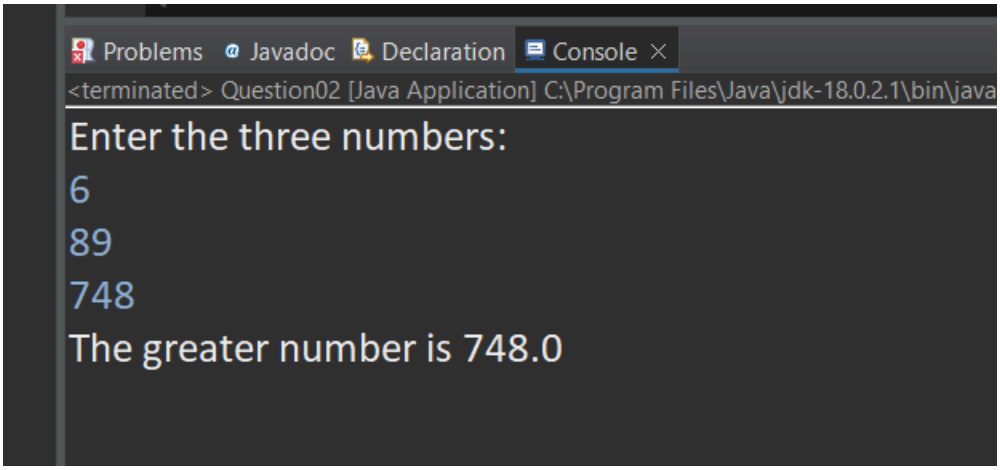


// Q2 Write a program in java that ask three numbers from

//user and print the greatest among three

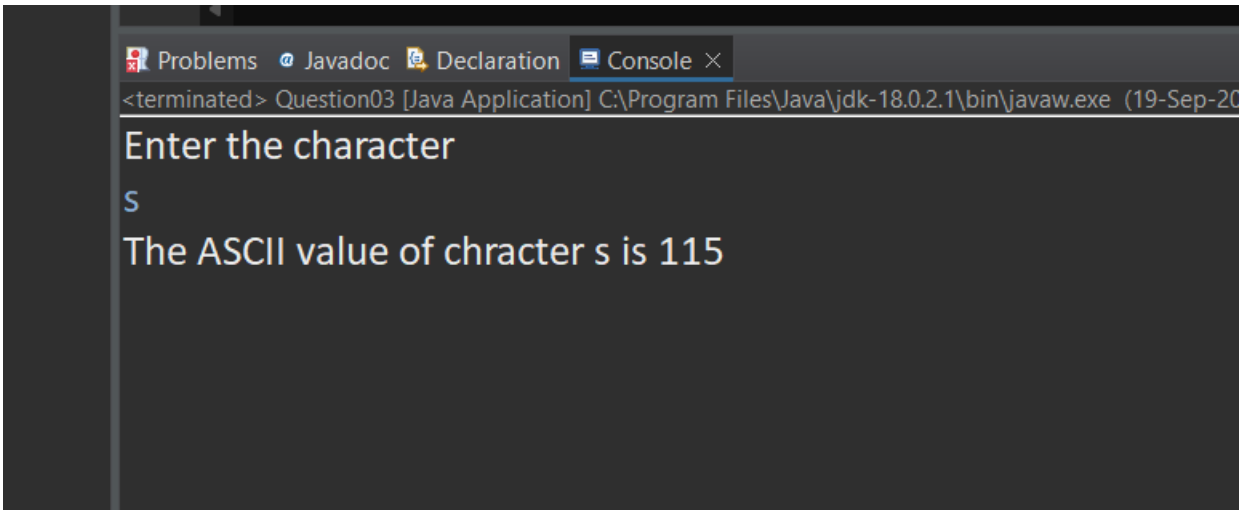
```
package Lab2;
import java.util.Scanner;
public class Question02 {


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

```
		Scanner s = new Scanner(System.in);
	float a,b,c;
		System.out.println("Enter the three numbers: ");
		a=s.nextFloat();
		b=s.nextFloat();
		c=s.nextFloat();
		float d = (a>b)? ((a>c)? a : c) : ((b>c)? b : c);
System.out.println("The greater number is " +d);
		s.close();
	}

}
```



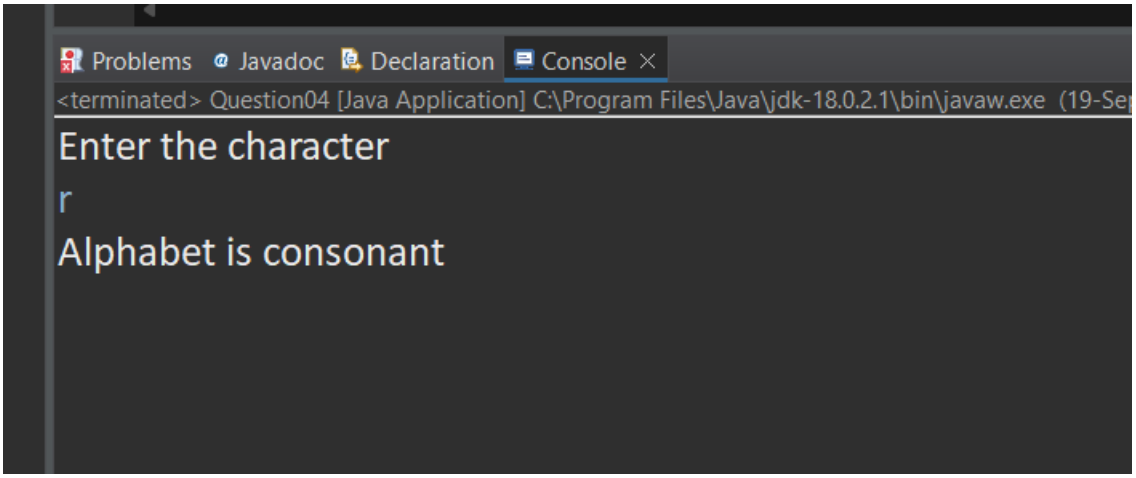

```
//Q3. WAP to find  ASCII value of a character .
package Lab2;
import java.util.Scanner;
public class Question03 {

	public static void main(String[] args) {
		Scanner s = new Scanner(System.in);
		System.out.println("Enter the character ");
		char ch =s.next().charAt(0);
		short a = (short)ch;
		System.out.println("The ASCII value of chracter "+ch+ " is "+a);
		s.close();
	}
```

}



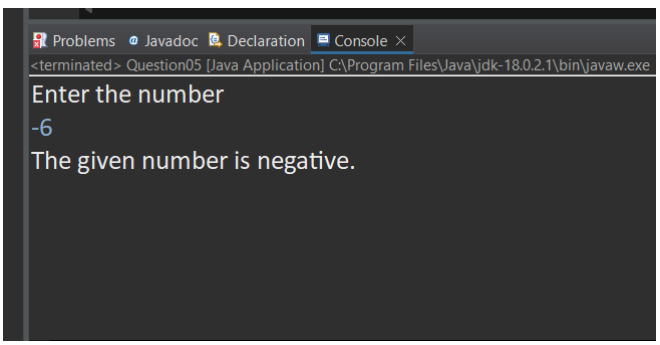
//Q4 Java Program to Check Whether an Alphabet is Vowel or Consonant

```
package Lab2;


import java.util.Scanner;


public class Question04 {


	public static void main(String[] args) {
		Scanner s = new Scanner(System.in);
		System.out.println("Enter the character");
		char ch = s.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("Alphabet is vowel");
		}
		else if(ch>='a'&&ch<='z' || ch>='A' &&ch<='Z')
			System.out.println("Alphabet is consonant");
		else
			System.out.println("Please enter the valid alphabet");
		s.close();
	}


}
```

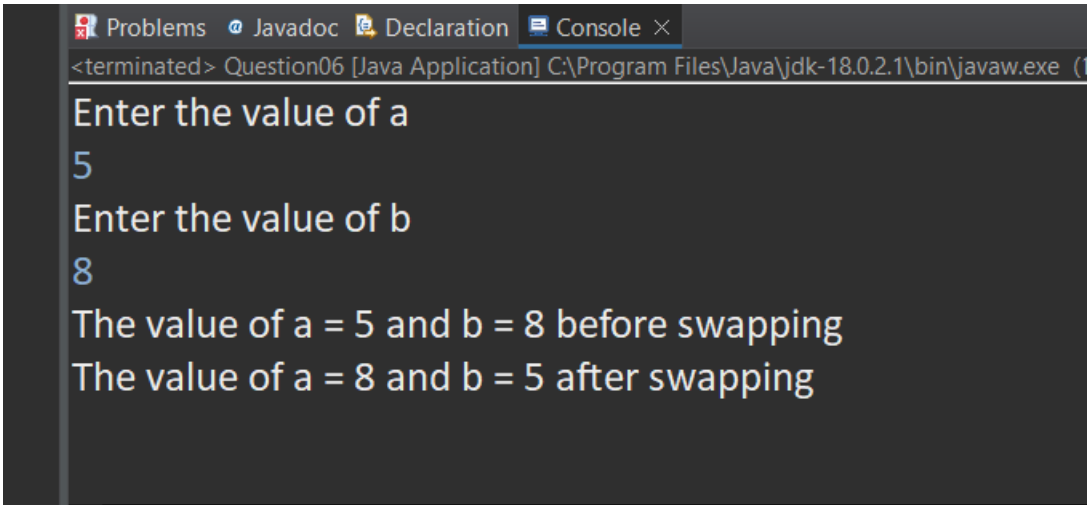


//Q 5 Check if a Number is Positive or Negative using if else

```
package Lab2;

import java.util.Scanner;

public class Question05 {


	public static void main(String[] args) {

		Scanner s= new Scanner(System.in);

		System.out.println("Enter the number");

		int a=s.nextInt();

		if(a>0)

			System.out.println("The number is positive.");

		else if(a<0)

			System.out.println("The given number is negative.");

		else

			System.out.println("The given number is neither positive nor negative.");

		s.close();


	}


}
```

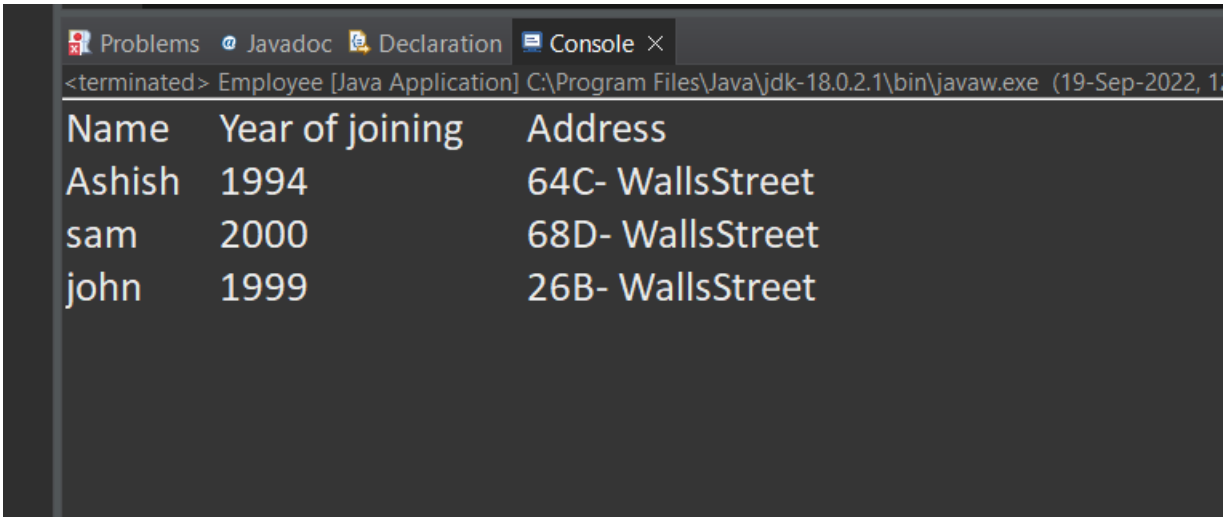


```
//Q 6 WAP for swapping two numbers without using third variable
package Lab2;
import java.util.Scanner;
public class Question06 {

	public static void main(String[] args) {
		Scanner s=new Scanner(System.in);
		System.out.println("Enter the value of a");
		int a= s.nextInt();
		System.out.println("Enter the value of b");
		int b= s.nextInt();
		System.out.println("The value of a = "+a+" and b = "+b+ " before swapping");
		a=a+b;
		b=a-b;
		a=a-b;
		System.out.println("The value of a = "+a+" and b = "+b+ " after swapping");
		s.close();

	}

}
```




```
//Q7 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:
```

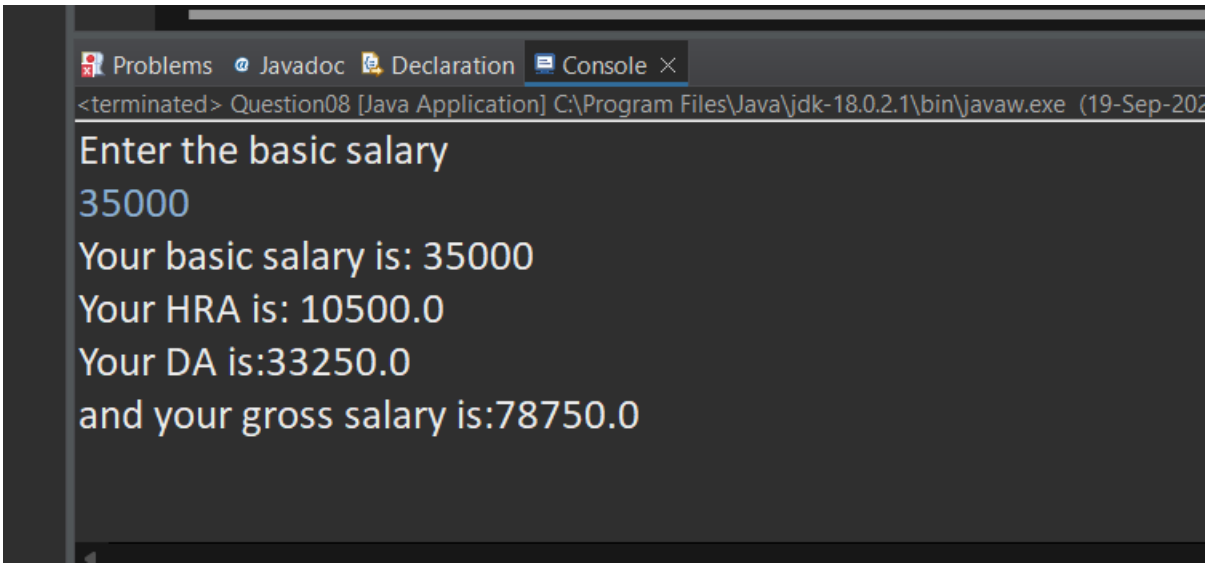
```
package Lab2;

public class Employee {

	public static void main(String[] args) {
		String name1="Ashish";
		String name2="sam";
		String name3="john";
		int YOJ1 =1994;
		int YOJ2 = 2000;
		int YOJ3= 1999;
		String address1="64C- WallsStreet";
		String address2="68D- WallsStreet";
		String address3="26B- WallsStreet";
		System.out.println("Name\tYear of joining\tAddress");
System.out.println(name1+"\t"+YOJ1+"\t\t\t"+address1);
System.out.println(name2+"\t\t"+YOJ2+"\t\t\t"+address2);
System.out.println(name3+"\t"+YOJ3+"\t\t\t"+address3);
	}

}
```




```
//Q8 WAP to input basic salary of an employee and calculate its
//Gross salary according to following:
package Lab2;
```

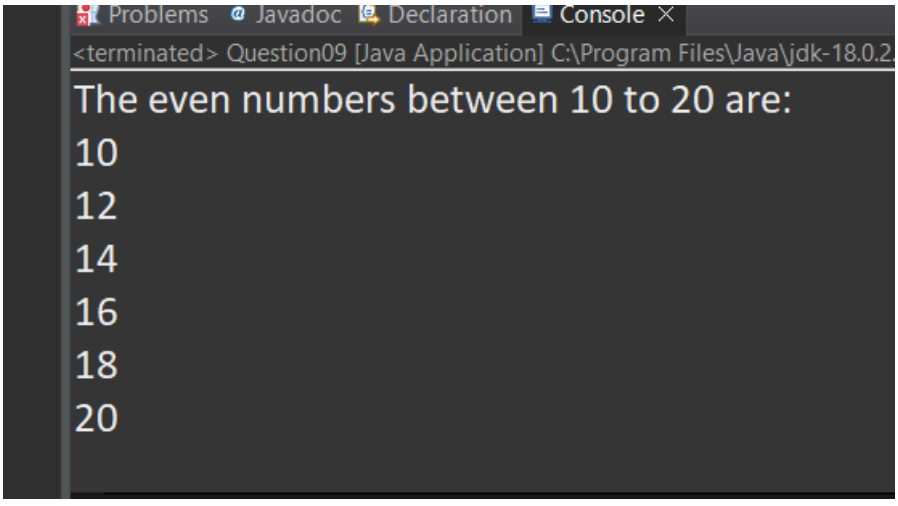
```
import java.util.Scanner;


public class Question08 {


	public static void main(String[] args) {
		Scanner s = new Scanner(System.in);
		int salary;
		float Gross_salary, HRA, DA;
		System.out.println("Enter the basic salary");
		salary = s.nextInt();
		if (salary <= 10000 && salary > 0)
		{
			HRA = 0.2f * salary;
		DA = 0.8f * salary;
		Gross_salary = salary + HRA + DA;
		System.out.println("Your basic salary is: "+salary+"\nYour HRA is: "+HRA+"\nYour DA is:"+DA+
"\nand your gross salary is:" + Gross_salary);
		}
		else if (salary>10000 && salary <=20000)
		{
			HRA = 0.25f * salary;
		DA = 0.9f * salary;
		Gross_salary = salary + HRA + DA;
		System.out.println("Your basic salary is: "+salary+"\nYour HRA is:"+ HRA+"\nYour DA is:"+DA+
"\nand your gross salary is:" + Gross_salary);
		}
		else
		{
			HRA = 0.3f * salary;
		DA = 0.95f * salary;
		Gross_salary = salary + HRA + DA;
		System.out.println("Your basic salary is: "+salary+"\nYour HRA is: "+HRA+"\nYour DA is:"+DA+
"\nand your gross salary is:" + Gross_salary);
		s.close();
```

```
		}
		}
	}
```

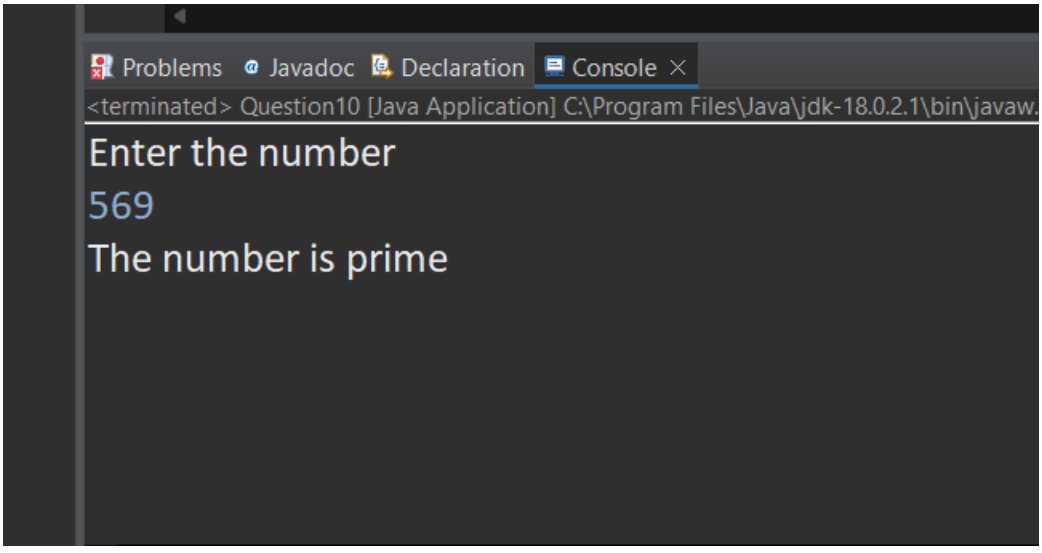


//Q 9 Q wap to print even numbers between 10 to 20

```
package Lab2;


public class Question09 {
	public static void main(String[] args) {
		System.out.println("The even numbers between 10 to 20 are: ");
		for(int i=10;i<=20;i++)
		{
			if(i%2==0)
				System.out.println(i);
		}
	}
}
```



```
//Q  10 wap to check if a number is prime or not
package Lab2;
import java.util.Scanner;
public class Question10 {

	public static void main(String[] args) {
		Scanner s= new Scanner(System.in);
		boolean flag = false;
		System.out.println("Enter the number ");
		int n= s.nextInt();
		for (int i= 2;i<n;i++)
		{
			if(n%i==0)
				{
				flag=true;
			break;
			}
		}
		if(flag!=true)
			System.out.println("The number is prime");
		else
			System.out.println("The number is not prime");
		s.close();
	}
}
```



```
//Q 11 wap to reverse a given digit   123   321
package Lab2;
import java.util.Scanner;
public class Question11 {

	public static void main(String[] args) {
		Scanner s=new Scanner(System.in);
		System.out.println("Enter the number");
		int n=s.nextInt();
		int rem,rev=0;
		while(n!=0)
		{
			rem= n%10;
			rev= rev*10+rem;
			n=n/10;
		}
		System.out.println("The reverse number is "+rev);
		s.close();
	}

}
```