Q1-   //*Write a program to find sum
of all integers greater than 100 and less than 200 that are divisible by 7.*//

```java
package java_ak;

public class sumofallintegers {

	public static void main(String[] args) {
		int i,sum=0;
		for(i=101;i<200;i++)
		{
			if(i%7==0)
			{
				sum=sum+i;
			}

		}
  System.out.println(sum);
	}

}
```

Console
2107

Q2-//* Write a program in java that ask three numbers from
user and print the greatest among three .//

```java
package java_ak;

public class Threenumbers {

	public static void main(String[] args) {

		int a=99;
		int b=66;
		int c=77;

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

	}

}
```

Console-a is greater

Q3-//WAP to find ASCII value of a character //

package java_ak;

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);

        }

}
```
Console-The ASCII value of a is:97
The ASCII value of b is:98

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

package java_ak;

public class vowel {

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

                char var ='a';
                if(var=='a'||var=='e'||var=='i'||var=='o'||var=='u')
                        System.out.println("variable is a vowel");

        }

}
```
Console-variable is a vowel

Q5-// Check if a Number is Positive or Negative using if else//
package java_ak;

public class   check number {

```
        public static void main(String[] args) {
                int num=912;
                if(num>0)
                        System.out.println(num +"is a positive number");
                else if(num<0)
                        System.out.println(num +"is a negative number");
```

```
        }

}
```

Console-912is a positive number

Q6 -//WAP for swapping two numbers without using third variable//

```
package java_ak;

public class swapping_withoutvariable {

        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);


        }

}
```
console-before swapping 10 20
after swapping 20   10

Q8-//wap to print even numbers between 10 to 20//
```
package java_ak;

public class even_number {

        public static void main(String[] args) {
        int n=20;
        System.out.print("even numbers from 1 to"+n+" are:");
        for (int i=10;i<=n;i++)
                if(i%2==0) {
                        System.out.print(i+" ");
                }

        }

}
```
console-even numbers from 10 to20 are:10 12 14 16 18 20

Q-9//wap to check if a number is prime or not//
package java_ak;
import java.util.Scanner;

public class prime_number {

        public static void main(String[] args) {
                int num,i,count=0;
                Scanner s=new Scanner(System.in);
                System.out.print("Enter a number");
                num=s.nextInt();

                for(i=2;i<num;i++)
                {
                        if(num%i==0)
                        {

                break;
                        }

        }
        if(count==0)
                System.out.println("\n it is a prime number.");
        else
                System.out.println("\n it is not a prime number.");

}
}
Console-Enter a number19

 it is a prime number.

Q-10 //wap to reverse a given digit   123   321//

package java_ak;

public class reversedigit {

        public static void main(String[] args) {
        int n=123;
        for(n=123;n!=0;n=n/10)
        {
                int rem=n%10;

```java
                System.out.print(rem);
        }

        }

}
```

Console-321