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

}

```
🧝 eclipse-workspace - java project/src/assignment2/SumAndDivisible.java - Eclipse IDE
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 Project Explorer 🗶
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                                                                                                                                                                                                                                                                                         Swapping.java
                                                                                                                                                                                                                                                                                                                                           Even.java
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 package assignment2;
        > 🔌 JRE System Library [JavaSE-17]
                                                                                                                                                 public class SumAndDivisible {
       🗸 🕮 src

✓ A assignment1

                   > 🔝 EvenOdd.java
                                                                                                                                                                       public static void main(String[] args)
                   > III GreaterNumberAmongTwo.java
                   > / NameAgeSalary.java
                   > ProductDiscount.java
                                                                                                                                                                                                        int i, sum=0;
for(i=100;i<=200;i++)</pre>
                   > 🕢 Sales.java
                    > 🔝 StudentPassorFail.java
                                                                                                                                        13
14
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                   > 🚺 Sum.java
                                                                                                                                                                                                                  if(|i%7==0)
                   > 🔝 Swap.java
                   > 🕖 SwapWitoutTemp.java
                                                                                                                                                                                                                              sum=sum+i;
                   > // VoteEligibility.java
                                                                                                                                                                                                                             System.out.println(sum);
                   >  Welcome.java

→ 

    assignment2

                   > 🕖 ASCII.java
                    > 🚺 Even.java
                    > 🕖 NuberPositveNegative.java
                    > 🕖 PrimeOrNot.java
                    > 🕢 Reverse.java
                   > D SumAndDivisible.java
                   > 🕢 Swapping.java
                   > 1 ThreeNumberGreatestAmongAll.java
                   > 🕡 VowelOrConsonant.java
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                                                                                                                                    < terminated > Reverse \ [Java\ Application]\ C: \ Vsers \ Administrator \ \ , p2 \ pool \ plugins \ org. eclipse. just \ j. open jdk. hotspot. jre. full. wind \ properties \ properties
                                                                                                                                    Enter any Number
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```

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

```
package assignment2;
public class ThreeNumberGreatestAmongAll {
      public static void main(String[] args) {
             // TODO Auto-generated method stub
             int a=55;
             int b=67;
             int c=76;
             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");
                    }
             }
```

}

```
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Swapping.java
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1 package assignment2;
       > M JRE System Library [JavaSE-17]
                                                                                                                                                 3
                                                                                                                                                         public class ThreeNumberGreatestAmongAll {
       ∨ Æ src

→ 

→ assignment1

                                                                                                                                                 50
                                                                                                                                                                     public static void main(String[] args) {
                   > 🕖 EvenOdd.java
                                                                                                                                                 6
7
                                                                                                                                                                                // TODO Auto-generated method stub
                                                                                                                                                                                int a=55;
                   > 🕖 GreaterNumberAmongTwo.java
                                                                                                                                                 8
                                                                                                                                                                                int b=67;
                   9
                                                                                                                                                                                int c=76;
                    > 🕖 NameAgeSalary.java
                                                                                                                                               10
                   > 🔝 ProductDiscount.java
                                                                                                                                                                                if(a>b && a>c)
                   > 🕖 Sales.java
                                                                                                                                               12
                                                                                                                                                                                           System.out.println("a is Greater");
                    > 🕖 StudentPassorFail.java
                                                                                                                                               14
                    > 🚺 Sum.java
                                                                                                                                                                                           else if (b>a && b>c)
                                                                                                                                               15
                    > 🔎 Swap.java
                                                                                                                                               16
                    > 🔝 SwapWitoutTemp.java
                   > 🕖 VoteEligibility.java
                                                                                                                                               18
                                                                                                                                                                                                       System.out.println("b is Greater");
                    > 🚺 Welcome.java
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                                                                                                                                               20

✓ 

    assignment2

                                                                                                                                               21
                                                                                                                                                                                           else
                   > 🔝 ASCII.java
                                                                                                                                               22
                                                                                                                                                                                           {
                    > D Even.java
                                                                                                                                                                                                       System.out.println("c is Greater");
                   > 🕖 NuberPositveNegative.java
                   > 🕖 PrimeOrNot.java
                                                                                                                                               25
                                                                                                                                                                                }
                                                                                                                                               26
                    > 🔃 Reverse.java
                    > I SumAndDivisible.java
                                                                                                                                                                    }
                    > 🚺 Swapping.java
                    > I ThreeNumberGreatestAmongAll.java
```

3. WAP to find ASCII value of a character.

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

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        char ch;
        System.out.println("Enter any Character");
        Scanner r = new Scanner(System.in);
        ch=r.next().charAt(0);
        int a = ch;
        System.out.print("ASCII value of "+ch +" is "+ a);
    }
}
```

```
1 package assignment2;
  > N JRE System Library [JavaSE-17]
                                                      3 import java.util.Scanner;
  ∨ Æ src
                                                      4 public class ASCII {

✓ Æ assignment1

      > 🕖 EvenOdd.java
                                                              public static void main(String[] args) {
       > 🕖 GreaterNumberAmongTwo.java
                                                    2 7
                                                                  // TODO Auto-generated method stub
       > 🚺 Greatest.java
                                                      9
       > 🔃 NameAgeSalary.java
                                                                  System.out.println("Enter any Character");
                                                     10
       > 🔝 ProductDiscount.java
                                                                  Scanner r = new Scanner(System.in);
ch=r.next().charAt(0);
                                                    <u>~11</u>
       > 🕖 Sales.java
                                                     12
                                                                  int a = ch;
       > 🕖 StudentPassorFail.java
                                                     13
                                                                  System.out.print("ASCII value of "+ch +" is "+ a);
                                                     14
       > J Sum.java
                                                     15
       > 🕖 Swap.java
       > 🔝 SwapWitoutTemp.java
                                                     17
       > 🕖 VoteEligibility.java
                                                     18 }
       > 🚺 Welcome.java

→ 

    assignment2

       > 🕖 ASCII.java
       > D Even.java
       > 🕖 NuberPositveNegative.java
       > 🔝 PrimeOrNot.java
       > In Reverse.java
```

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

```
package assignment2;
import java.util.Scanner;
public class VowelOrConsonant {
      public static void main(String[] args)
      {
             char ch;
             System.out.println("Enter any Character ");
             Scanner r=new Scanner(System.in);
             ch=r.next().charAt(0);
             if(ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u')
             {
                    System.out.println("Vowel");
             }
             else
                    System.out.println("Consonant");
             }
      }
```

```
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Project Explorer X

    ∫ SumAndDivisi...

                                                                  ASCII.java

√ VowelOrCons... 

✓ ✓ Even.java

package assignment2;
  > A JRE System Library [JavaSE-17]
                                                    import java.util.Scanner;

✓ 

Æ src

                                                     public class VowelOrConsonant {

✓ 

    assignment1

      > 🕖 EvenOdd.java
                                                  60
                                                         public static void main(String[] args)
       > 🕖 GreaterNumberAmongTwo.java
                                                  8
      > 🚺 Greatest.java
                                                  9
       > 🕖 NameAgeSalary.java
                                                 10
                                                             System.out.println("Enter any Character ");
       > 🕖 ProductDiscount.java
                                                 11
       > 🕖 Sales.java
                                                 12
                                                             Scanner new Scanner(System.in);
                                                 13
       > 🕖 StudentPassorFail.java
                                                 14
                                                             ch=r.next().charAt(0);
       > 🚺 Sum.java
       > 🕢 Swap.java
                                                 16
                                                             if(ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=
       > 🕖 SwapWitoutTemp.java
                                                 17
       > 🚺 VoteEligibility.java
                                                 18
                                                             {
                                                 19
       > 🚺 Welcome.java
                                                 20
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23
                                                                 System.out.println("Vowel");

✓ A assignment2

       > 🔝 ASCII.java
                                                             }
       > D Even.java
       > 💹 NuberPositveNegative.java
                                                 24
                                                             else
       > 🔎 PrimeOrNot.java
                                                 25
                                                 26
       > 🔃 Reverse.java
                                                 27
                                                                 System.out.println("Consonant");
       > I SumAndDivisible.java
                                                 28
       > 🔝 Swapping.java
       > In ThreeNumberGreatestAmongAll.java
```

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

```
package assignment2;
import java.util.Scanner;
public class NuberPositveNegative {
    public static void main(String[] args) {
        int n;
        System.out.println("Enter any Number");
        Scanner r= new Scanner(System.in);
        n=r.nextInt();
        if(n>0)
        {
            System.out.println("Positive Number");
        }
        else if(n<0) {</pre>
```

```
System.out.println("Negative Number");

}
else
{
    System.out.println("Equal");
}
}
```

```
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Project Explorer X
package assignment2;
                                                  import java.util.Scanner;
  > M JRE System Library [JavaSE-17]

✓ 

Æ src

                                                  public class NuberPositveNegative {

→ 基 assignment1

      > 🕖 EvenOdd.java
                                                       public static void main(String[] args) {
      > 🕖 GreaterNumberAmongTwo.java
      > 🚺 Greatest.java
      > 🕖 NameAgeSalary.java
                                                           System.out.println("Enter any Number");
      > 🕖 ProductDiscount.java
                                                          Scanner r= new Scanner(System.in);
      > 🔝 Sales.java
                                                          n=r.nextInt();
      > 🕖 StudentPassorFail.java
      > 🚺 Sum.java
                                                          if(n>0)
      > 🕖 Swap.java
      > 🔝 SwapWitoutTemp.java
      > 🕖 VoteEligibility.java
                                                              System.out.println("Positive Number");
       > 🚺 Welcome.java

✓ ♣ assignment2

                                                           else if(n<0)
      > 🕢 ASCII.java
      > 🚺 Even.java
                                                              System.out.println("Negative Number");
      > 🕖 NuberPositveNegative.java
      > II PrimeOrNot.java
      > 🔝 Reverse.java
                                                           else
      > I SumAndDivisible.java
      > 🔎 Swapping.java
                                                              System.out.println("Equal");
      > ThreeNumberGreatestAmongAll.java
      > 🔃 VowelOrConsonant.java
                                               32
33 }
34
```

6 WAP for swapping two numbers without using third variable

package assignment2;

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

   public static void main(String[] args) {
        // TODO Auto-generated method stub

        int a,b;

        System.out.println("Enter any Two Number");

        Scanner ref=new Scanner(System.in);
        a=ref.nextInt();
```

```
b=ref.nextInt();
System.out.println("Before Swapping "+a+" "+b);
a= a+b;
b=a-b;
a=a-b;
System.out.println("After Swapping "+a+" "+b);
}
```

```
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                                                                        ASCII.java
VowelOrCons...
Project Explorer 🗶
                                                                                                             NuberPositv...
                                                                                                                                  Swapping.java
package assignment2;
                                                          import java.util.Scanner;
public class Swapping {
   > N JRE System Library [JavaSE-17]
   🗸 进 src
     public static void main(String[] args) {
       > 🕖 EvenOdd.java
                                                                  // TODO Auto-generated method stub
       > 🔃 GreaterNumberAmongTwo.java
       > 🚺 Greatest.java
       > 🔝 NameAgeSalary.java
       > 🔝 ProductDiscount.java
                                                      11
12
                                                                   int a,b;
       > 🕖 Sales.java
                                                      13
14
       > 🔝 StudentPassorFail.java
                                                                   System.out.println("Enter any Two Number");
       > D Sum.java
                                                                   Scanner ref=new Scanner(System.in);
       > 🚺 Swap.java
                                                                   a=ref.nextInt();
       > 🕖 SwapWitoutTemp.java
                                                                   b=ref.nextInt();
       > 🕖 VoteEligibility.java
                                                      18
19
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27
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                                                                   System.out.println("Before Swapping "+a+" "+b);
       > 🚺 Welcome.java
                                                                   a = a + b;
                                                                   b=a-b;

→ 

    assignment2

                                                                   a=a-b;
       > 🕖 ASCII.java
                                                                   System.out.println("After Swapping "+a+" "+b);
       > 🗾 Even.java
       > 🕖 NuberPositveNegative.java
       > 🕖 PrimeOrNot.java
                                                          }
       > 🔝 Reverse.java
       > D SumAndDivisible.java
       > 🕖 Swapping.java
                                                      29
30
31
       > IntreeNumberGreatestAmongAll.java
       > / VowelOrConsonant.java
```

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

```
🎑 eclipse-workspace - java project/src/assignment2/Even.java - Eclipse IDE
<u>File Edit Source Refactor Navigate Search Project Run Window Help</u>

☐ I SumAndDivisi... 
☐ ASCII.java

✓ VowelOrCons...

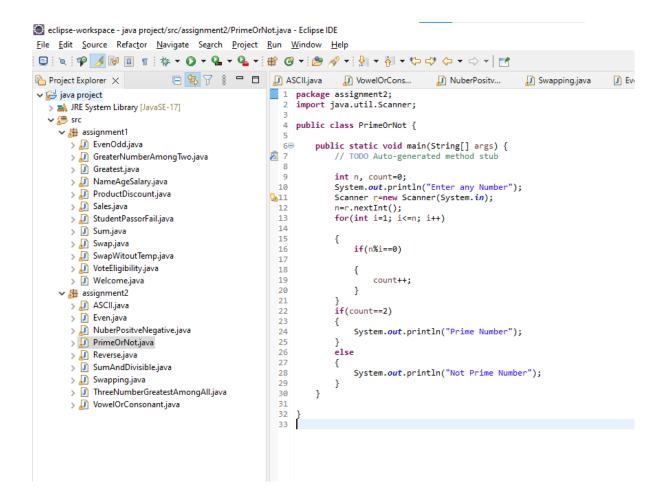
Project Explorer X
                                                                                               NuberPosity...
                                             1 package assignment2;
> 🔼 JRE System Library [JavaSE-17]
                                                  public class Even {
  🗸 🕮 src
    public static void main(String[] args) {
      > 🔝 EvenOdd.java
                                             ē
                                                         // TODO Auto-generated method stub
      > 🔃 GreaterNumberAmongTwo.java
                                                          for(int i=2;i<=20;i++) {
      8
      > 🔃 NameAgeSalary.java
                                               10
                                                      if (i%2==0)
      > 🕖 ProductDiscount.java
      > 🕢 Sales.java
                                               12
                                                          System.out.println("i "+i);
                                                      }
      > 🕖 StudentPassorFail.java
                                               13
                                               14
      > D Sum.java
                                               15
      > 🔝 Swap.java
                                               16
                                                      }
      > 🕖 SwapWitoutTemp.java
                                               17
      > 🕖 VoteEligibility.java
                                               18
                                               19
       > 🚺 Welcome.java

✓ 

    assignment2

      > 🔝 ASCII.java
       > D Even.java
      > 🕖 NuberPositveNegative.java
      > 🔃 PrimeOrNot.java
      > 🕡 Reverse.java
      > D SumAndDivisible.java
      > 🔝 Swapping.java
      > IntreeNumberGreatestAmongAll.java
       > 🕖 VowelOrConsonant.java
```

9 wap to check if a number is prime or not



Q 10 wap to reverse a given digit 123 321

```
int n, r;
System.out.println("Enter any Number");
Scanner ref=new Scanner(System.in);
n=ref.nextInt();

while(n>0)
{
    r=n%10;
    System.out.print(r);
    n=n/10;
}
}
```

```
🎑 eclipse-workspace - java project/src/assignment2/Reverse.java - Eclipse IDE
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Project Explorer X
                                                                                                         NuberPositv...
                                                                                                                                  Swapping.java
                                                                                                                                                         package assignment2;
                                                                     import java.util.Scanner;
   > NE System Library [JavaSE-17]
   ∨ # src
                                                                     public class Reverse [
      > 🕖 EvenOdd.java
                                                                          public static void main(String[] args) {
         > 🔃 GreaterNumberAmongTwo.java
                                                                               // TODO Auto-generated method stub
         > 🚺 Greatest.java
         > 🔝 NameAgeSalary.java
         > 🔝 ProductDiscount.java
                                                                               System.out.println("Enter any Number");
         > 🔝 Sales.java
                                                                               Scanner ref=new Scanner(System.in);
n=ref.nextInt();
         > / StudentPassorFail.java
         >  Sum.java
                                                                               while(n>0)
         > 🕡 Swap.java
         > 🔃 SwapWitoutTemp.java
                                                                                     r=n%10;
         > 🕖 VoteEligibility.java
                                                                                     System.out.print(r);
                                                                                     n=n/10;
         > 🚺 Welcome.java

→ 
→ assignment2

                                                                21
22
23
24 }
         > 🕖 ASCII.java
         > D Even.java
         > 🕖 NuberPositveNegative.java
         > / PrimeOrNot.java
         > N Reverse.java
         > SumAndDivisible.java
         > 🔝 Swapping.java
         > 🚺 ThreeNumberGreatestAmongAll.java
         > 🕖 VowelOrConsonant.java
```