

```
package assignment2;
```

```
//1. Write a program to find sum
```

```
//of all integers greater than 100 and less than 200 that are divisible by 7.
```

```
public class A_Sum_of_integers {
```

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

```
        // TODO Auto-generated method stub
```

```
        int sum=0;
```

```
        for(int i=100;i<200;i++)
```

```
        {
```

```
            if(i%7==0)
```

```
            {
```

```
                sum=sum+i;
```

```
            }
```

```
        }
```

```
        System.out.println("sum of all integers from 100 to 200 divisible by 7 is = "+sum);
```

```
    }
```

```
}
```

OUTPUT-

sum of all integers from 100 to 200 divisible by 7 is = 2107

```
package assignment2;
```

```
//2 Write a program in java that ask three numbers from
```

```
//user and print the greatest among three .
```

```
import java.util.Scanner;
```

```
public class B_ask_from_user {
```

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

```
        // TODO Auto-generated method stub
```

```
        Scanner s = new Scanner(System.in);
```

```
        System.out.print("Enter three number: ");
```

```
        int a = s.nextInt();
```

```
        int b = s.nextInt();
```

```

int c = s.nextInt();

if(a>=b&& a>=c)

{

    System.out.println("the greatest no is"+a);

}

else if(b>=a&& b>=c)

{

    System.out.println("the greatest no is"+b);

}

else

    System.out.println("is the greatest no is = "+c);

}

}

```

OUTPUT-

Enter three number: 123

432

125

the greatest no is432

package assignment2;

//3. WAP to find ASCII value of a character .

import java.util.Scanner;

public class C_ASCII {

public static void main(String[] args) {

// TODO Auto-generated method stub

char ch ;

Scanner s = new Scanner(System.in);

System.out.print("Enter a character: ");

ch = s.next().charAt(0);

int ascii=ch;

```
int castAscii = (int) ch;
```

```
System.out.println("The ASCII value of " + ch + " is: " + ascii);
```

```
}
```

```
}
```

OUTPUT-

Enter a character: a

The ASCII value of a is: 97

```
package assignment2;
```

```
import java.util.Scanner;
```

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

```
public class D_vowel_or_consonant {
```

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

```
        // TODO Auto-generated method stub
```

```
        Scanner s = new Scanner(System.in);
```

```
        System.out.print("Enter the character: ");
```

```
        char ch = s.next().charAt(0);
```

```
        if(ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u')
```

```
            System.out.println(ch+" is vowel");
```

```
        else
```

```
            System.out.println(ch+" is constant");
```

```
    }
```

```
}
```

OUTPUT-

Enter the character: i

i is vowel

```
package assignment2;  
//5 Check if a Number is Positive or Negative using if else
```

```
import java.util.Scanner;  
  
public class E_ifelse_positivenegative {  
  
    public static void main(String[] args) {  
        // TODO Auto-generated method stub  
        Scanner s = new Scanner(System.in);  
  
        System.out.print("Enter the number: ");  
  
        int a = s.nextInt();  
  
        if(a>0)  
  
            System.out.println("number is positive");  
  
        else  
  
            System.out.println("number is negative");  
  
    }  
}
```

OUTPUT-

```
Enter the number: 3  
number is positive
```

```
package assignment2;  
  
import java.util.Scanner;  
  
//6 WAP for swapping two numbers without using third variable  
public class F_swapping {  
  
    public static void main(String[] args) {  
        // TODO Auto-generated method stub  
        Scanner s = new Scanner(System.in);
```

```
        System.out.print("Enter two number: ");  
  
        int a = s.nextInt();  
  
        int b = s.nextInt();
```

```

        System.out.println("before swapping a="+a);

        System.out.println("before swapping b="+b);

        a=a+b;

        b=a-b;

        a=a-b;

        System.out.println("after swapping a="+a);

        System.out.println("after swapping b="+b);

    }

}

```

OUTPUT-

```

Enter two number: 22
43
before swapping a=22
before swapping b=43
after swapping a43
after swapping b=22

```

```

package assignment2;
//7 Write a program that would print the information (name,
//year of joining, salary, address) of three employees by creating a class named
//'Employee'.

```

```

import java.util.Scanner;

public class G_employee_details {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        String name1,name2,name3;
        int   yoj1,yoj2,yoj3;
        String add1,add2,add3;
        Scanner s= new Scanner(System.in);
        System.out.println("enter first employee data");
        name1= s.next();
        yoj1= s.nextInt();
        add1=s.nextLine();

        Scanner s1= new Scanner(System.in);
        System.out.println("enter second employee data");
        name2= s1.next();
        yoj2= s1.nextInt();
        add2= s1.next();
    }

}

```

```

System.out.println("enter third employee data");
name3= s.next();
yoj3= s.nextInt();
add3=s.next();

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

}

}

```

OUTPUT-

```

enter first employee data
AMIT
2022
enter second employee data
ABHISHEK
2021
MUMBAI
enter third employee data
RAVI
2020
CHENNAI
AMIT 2022
ABHISHEK 2021 MUMBAI
RAVI 2020 CHENNAI

```

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e assignment2;

```

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

```

```

import java.util.Scanner;

public class H_basic_salary {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        Scanner in=new Scanner(System.in);
        System.out.println("Enter Salary of employee");
        double salary=in.nextFloat();

        if(salary<=10000)
        {

            double gross;
            gross= salary+(0.20+0.80*salary);
            System.out.println("The gross salary of employee is "+gross);

        }
    }
}

```

```

else if(salary<=20000)
{
double gross;
gross=salary+(0.25+0.90*salary);
System.out.println("The gross salary of employee is "+gross);

}
else if(salary>20000)
{
double gross;
gross=salary+(0.30+0.95*salary);
System.out.println("The gross salary of employee is "+gross);
}
}

```

}

OUTPUT-

Enter Salary of employee

19000

The gross salary of employee is 36100.25

package assignment2;

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

public class I_print_evenno {

public static void main(String[] args) {

// TODO Auto-generated method stub

int i;

for(i=10;i<=20;i++)

{

if(i%2==0)

{

System.out.println("The even numbers are"+i);

}

}

}

}

OUTPUT-

The even numbers are12

The even numbers are14

The even numbers are16

The even numbers are18

The even numbers are20

package assignment2;

import java.util.Scanner;

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

```
public class J_prime_or_not {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        Scanner in=new Scanner(System.in);
        System.out.println("Enter the number");
        int num=in.nextInt();
        int i;
        for(i=2;i<=num/2;i++)
        {
            if(num%i==0)
            {
                System.out.println("The number is not prime");
                break;
            }
            System.out.println("The number is prime");
        }
    }
}
```

OUTPUT-

Enter the number

24

The number is not prime

package assignment2;

import java.util.Scanner;

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

```
public class K_reverse_digit {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        Scanner in=new Scanner(System.in);
        System.out.println("Enter three digit number");
        int num=in.nextInt();
        int a=num%10;
        num=num/10;
        int b=num%10;
        int c=num/10;
        int rev=(a*100)+(b*10)+c;
        System.out.println("The reverse of given number is"+a+b+c);

    }

}
```

OUTPUT-

Enter three digit number

123

The reverse of given number is321

