

1. write a program to print even numbers between two given numbers.

```
import java.util.Scanner;
public class Day4 {
    public static void main(String[] args) {
        Scanner scan=new Scanner(System.in);
        System.out.println("Enter start value: ");
        int start=scan.nextInt();
        System.out.println("Enter stop value: ");
        int stop=scan.nextInt();
        for(int i=start;i<=stop;i++){
            if(i%2==0){
                System.out.println("even numbers between start and stop: "+i);
            }
        }
    }
}
```

2. write a program to print even numbers between two given numbers.

```
import java.util.Scanner;
public class Day4a {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        System.out.println("Enter start value: ");
        int start = scan.nextInt();
        System.out.println("Enter stop value: ");
        int stop = scan.nextInt();
        int count = 0;
        for (int i = start; i <= stop; i++) {
            count=0;
            for(int j=2;j<=i/2;j++){
                if(i%j==0){
                    count+=1;
                }
            }
            if(count==0){
                System.out.println(i);
            }
        }
    }
}
```

3. Write a Java program to print increment with gross salary.

```
import java.util.Scanner;
public class Day4b {
    public static void main(String[] args) {
        Scanner scan=new Scanner(System.in);
        System.out.println("Enter salary: ");
        double salary=scan.nextDouble();
        System.out.println("Enter your performance score: ");
        int score=scan.nextInt();
        double gross ;
        if(score>90){
            System.out.println("you got increment of 30% and gross is: "+((salary*80)/100
```

```

+(salary*75)/100 +(salary*30)/100 +salary));
    }
    else if(score>80){
        System.out.println("you got 25% increment and gross is:
"+((salary*25)/100+salary+(salary*80)/100 +(salary*75)/100));
    }
    else if(score>70){
        System.out.println("you got 15% increment and gross is:
"+((salary*15)/100+salary+(salary*75)/100 +(salary*80)/100));
    }
    else if(score>50){
        System.out.println("you got 5000rs increment and gross is: "+((salary+5000)+
(salary*80)/100 + (salary*75)/100));
    }
    else{
        System.out.println("no increment and gross is: "+((80*salary)/100 +
(75*salary)/100 + salary));
    }
}
}
}

```

4. Write a Java program to print even and odd count of a given number.

```

import java.util.Scanner;
public class Day5 {
    public static void main(String[] args) {
        Scanner scan=new Scanner(System.in);
        System.out.println("Enter a value");
        int value=scan.nextInt();
        int evencount=0;
        int oddcount=0;
        if(value%2==0){
            evencount+=1;
        }
        else{
            oddcount+=1;
        }
        while(value!=0){
            value/=10;
            if(value%2==0&&value!=0){
                evencount+=1;
            }
            else if(value%2!=0&&value!=0) {
                oddcount+=1;
            }
        }
        System.out.println("number of even numbers: "+evencount);
        System.out.println("number of odd numbers: "+oddcount);
    }
}

```

5. Write a Java program to print reverse of a given number.

```

import java.util.Scanner;
public class Day5a {
    public static void main(String[] args) {

```

```

Scanner scan = new Scanner(System.in);
System.out.println("Enter a number: ");
int number = scan.nextInt();
int reverse=0;
while (number != 0) {
    reverse = reverse*10 + number % 10;
    number /= 10;
}
System.out.println("reverse of the given number is: "+reverse);
}
}

```

6. Write a Java program to check whether a number is palindrome or not.

```

import java.util.Scanner;
public class Day6 {
    public static void main(String[] args) {
        Scanner scan=new Scanner(System.in);
        System.out.println("Enter a number to check if it is palindrome or not: ");
        int number=scan.nextInt();
        int reverse=0;
        int temp=number;
        while(number!=0){
            reverse=reverse*10 + number%10;
            number=number/10;
        }
        if(reverse==temp) {
            System.out.println("palindrome: "+reverse);
        }
        else{
            System.out.println("not palindrome: "+ reverse);
        }
    }
}

```

7. Write a Java program to print day of week name using switch case.

```

import java.util.Scanner;
public class Day6a {
    public static void main(String[] args) {
        Scanner scan=new Scanner(System.in);
        System.out.println("Enter day to print week name: ");
        int var=scan.nextInt();
        switch (var) {
            case 1 -> System.out.println("Monday");
            case 2 -> System.out.println("Tuesday");
            case 3 -> System.out.println("Wednesday");
            case 4 -> System.out.println("Thursday");
            case 5 -> System.out.println("Friday");
            case 6 -> System.out.println("Saturday");
            case 7 -> System.out.println("Sunday");
            default -> System.out.println("Enter value between 1 to 7: ");
        }
    }
}

```

```
}  
}
```

8. Write a Java program to print all natural numbers from 1 to n. - using while loop

```
import java.util.Scanner;  
public class Day6b {  
    public static void main(String[] args) {  
        Scanner scan=new Scanner(System.in);  
        System.out.println("Enter a number: ");  
        int number=scan.nextInt();  
        int start=0;  
        while(start<number){  
            start++;  
            System.out.println("numbers between 1 to given number are: "+start);  
        }  
    }  
}
```

9. Write a Java program to print all natural numbers in reverse (from n to 1). - using while loop

```
import java.util.Scanner;  
public class Day6c {.n);  
    System.out.println("Enter a number to print all natural numbers: ");  
    int number=scan.nextInt();  
    while(number>1) {  
        number--;  
        System.out.println("all natural numbers in reverse order: " + number);  
    }  
}
```

10. Write a Java program to print all alphabets from a to z. - using while loop

```
public class Day6d {  
    public static void main(String[] args) {  
        System.out.println("Enter a alphabet: ");  
        char alphabet='a';  
        while(alphabet<='z'){  
            alphabet++;  
            System.out.println(alphabet);  
        }  
    }  
}
```

11. Write a Java program to print all even numbers between 1 to 100. - using while loop

```
public class Day6e {  
    public static void main(String[] args) {  
        int number=1;  
        while(number<=100){  
            if(number%2==0)  
                System.out.println(number);  
            number++;  
        }  
    }  
}
```

12. Write a Java program to print all odd number between 1 to 100.

```
public class Day6f {  
    public static void main(String[] args) {  
        int number=1;  
        while(number<=100){  
            if(number%2!=0)  
                System.out.println(number);  
            number++;  
        }  
    }  
}
```

13. Write a Java program to find sum of all even numbers between 1 to n

```
import java.util.Scanner;  
public class Day6g {  
    public static void main(String[] args) {  
        Scanner scan=new Scanner(System.in);  
        System.out.println("Enter a number");  
        int number=scan.nextInt();  
        for(int i=1;i<=number;i++){  
            if(i%2==0)  
                System.out.println(i);  
        }  
    }  
}
```