

Logical Questions:

PRN:046

Q1)

CODE 1:

```
import java.util.*;

class Main {

    public static void main(String[] args) {

        Scanner sc=new Scanner(System.in);

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

        int num=sc.nextInt();

        if(num%3==0 && num%7==0){

            System.out.println("fun buzz");

        }else if(num%3==0){

            System.out.println("fun ");

        }else if(num%7==0){

            System.out.println("buzz ");

        }

    }

}
```

CODE 2:

```
import java.util.*;

class Main {

    public static void main(String[] args) {

        Scanner sc=new Scanner(System.in);

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

        int num=sc.nextInt();

        if(num%3==0){

            System.out.print("fun ");

        }

    }

}
```

```

    }
    if(num%7==0){
        System.out.print("buzz ");
    }
}
}

```

Q2)

```

import java.util.*;

class Main {

    public static void main(String[] args) {

        System.out.println("enter the start no:");

        Scanner sc=new Scanner(System.in);

        int start=sc.nextInt();

        System.out.println("enter the end no:");

        int end=sc.nextInt();

        System.out.println("the odd numbers between "+start+" and "+end +" are:");

        for(int i=start;i<=end;i++){

            if(i%2!=0){

                System.out.print(i+" ");

            }

        }

    }

}

```

Q 3)

```

import java.util.*;

class Main {

    public static void main(String[] args) {

        System.out.println("enter the no top check palindrome or not");

        Scanner sc=new Scanner(System.in);

        int num=sc.nextInt();


        int temp=num;

        int rev=0;

        while(num>0){

            int lastdig=num%10;

            rev=rev*10+lastdig;

            num /=10;

        }

        if(rev==temp){

            System.out.println("the number is palindrom");

        }else{

            System.out.println("the number is not a palindrom");

        }

    }

}

```

Q4)

```

import java.util.*;

class Main {

```

```
public static void main(String[] args) {  
    System.out.println("enter the no of terms:");  
    Scanner sc=new Scanner(System.in);  
    int s=sc.nextInt();  
    int a,b,c;  
    a=0;  
    b=1;  
    if(s<0){  
        System.out.println("enter the valid positive range");  
    }else if(s==1){  
        System.out.print(a+" ");  
    }  
    else if(s==2){  
        System.out.print(a+" "+b);  
    }  
    else{  
        System.out.print(a+" "+b);  
        for(int i=3;i<=s;i++){  
            c=a+b;  
            System.out.print(" "+c);  
            a=b;  
            b=c;  
        }  
    }  
}
```