Placement Preparation Test 1

Q.1) Accept a number from user - if it is divisible by 3 print “fun” , if it is divisible by 7 print “buzz” and if it is divisible by both(3,7) print “fun -buzz” . [Two answer]

```
package mypack;

import java.util.Scanner;
public class Ques1 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		System.out.print("Enter a number: ");
		int n=sc.nextInt();

		if(n%3==0)
		{
			System.out.println("Fun");
		}

		if(n%7==0)
		{
			System.out.println("Buzz");
		}
	}

}
```

Approach 2

```
package mypack;

import java.util.Scanner;



public class Ques1 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		System.out.print("Enter a number: ");
		int n=sc.nextInt();

		if(n%3==0 && n%7==0)
		{
			System.out.println("Fun Buzz");
		}
		else if(n%3==0)
		{
			System.out.println("Fun");
		}

		else if(n%7==0)
		{
```

```
                    System.out.println("Buzz");
                }
        }

}
```

Q.2) Accept a start number from user and end number from user. Print all odd number between start and end number. [Two Answer]

```
package mypack;

import java.util.Scanner;

/* Accept a start number from user and end number from user. Print all  odd
number between start and end number. [ Two Answer]
*/

public class Ques2 {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        System.out.print("Enter start number: ");
        int s = sc.nextInt();

        System.out.print("Enter end number: ");
        int e = sc.nextInt();

        // If start is even, move to next odd
        if (s % 2 == 0) {
            s++;
        }

        for (int i = s; i <= e; i += 2) {
            System.out.print(i + " ");
        }
    }
}
```

Approach 2

```
package mypack;

import java.util.Scanner;
public class Ques2 {

      public static void main(String[] args) {
            Scanner sc=new Scanner(System.in);
           System.out.print("Enter start number: ");

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

```
                    System.out.print("Enter end number: ");
                    int e=sc.nextInt();

                    for(int i=s;i<=e;i++)
                    {
                        if(i%2 != 0)
                        {
                           System.out.print(i+" ");
                        }
                    }

      }



}
```

Q.3) Accept a number from user and check if it is palindrome number or not eg (121)

```
package mypack;

import java.util.Scanner;

//. Accept a number from user and check if it is palindrome number or not eg
//(121)
public class Ques3 {

      public static void main(String[] args) {
             Scanner sc = new Scanner(System.in);

              System.out.print("Enter a number: ");
              int num = sc.nextInt();

              int original=num;
              int reverse=0;
              int r;
              while(num>0)
              {
                   r=num%10;
                   reverse=reverse * 10 + r;
                   num=num/10;
              }

              if(original==reverse)
              {
                   System.out.println("Yes it is a palindrome");
              }
              else
              {
                   System.out.println("Not a palindrome");
              }


      }
```

```
}
```

Q.4) Fibonacci Series

```
package mypack;

import java.util.Scanner;

//fibonacci series
public class Ques4 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		System.out.print("Enter a number: ");

		int n=sc.nextInt();


	  int a = 0, b = 1;

	  for (int i = 1; i <= n; i++) {
	      System.out.print(a + " ");
	      int c = a + b;
	      a = b;
	      b = c;
	  }
	}

}
```