PARESH MANKAR
053
TEST 1

Q1. 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]

```
public class dsa {

public static void main(String[] args) {

int x;
Scanner in = new Scanner(System.in);
System.out.println("inasert a num");
x= in.nextInt();
if(x%7 == 0 && x%3 == 0) {
System.out.println("fun buzz");
}
else if(x%3 == 0) {
System.out.println("fun");
}
else if(x%7 == 0) {
System.out.println("buzz");
}
else {
System.out.println("not divisible");
}
}
}
```

```
// ANSWER 2
int x;
Scanner in = new Scanner(System.in);
System.out.println("inasert a num");
x= in.nextInt();
if(x%3 == 0) {
System.out.print("fun ");
}
if(x%7 == 0) {
System.out.println("buzz");
}
```

Q2. Accept a start number from user and end number from user. Print all odd number between start and end number.

```
public class dsa {

public static void main(String[] args) {

Scanner in = new Scanner(System.in);
System.out.println("enter start num");
int start = in.nextInt();
System.out.println("enter end num");
int end = in.nextInt();
for(int i = start; i<=end; i++) {
if(i%2!=0 ) {
System.out.println(i);
}
}
}
}
```

```
public class dsa {

public static void main(String[] args) {

// ANSWER 2
Scanner in = new Scanner(System.in);
System.out.println("enter start num");
int start = in.nextInt();
System.out.println("enter end num");
int end = in.nextInt();
int s = start;
if(!isodd(start)) {
s= s+1;
}
for (int i = s; i <=end; i =i+2) {
System.out.println(i);
}

}
static boolean isodd(int a) {
return a%2 != 0;
}
}
```

Q3. Accept a number from user and check if it is palindrome number or not eg (121)

```
Scanner in = new Scanner(System.in);
System.out.println("enter a num");
int x = in.nextInt();
int n,r;
int no = x;
int rev = 0;
while(no>0) {
r = no%10;
rev = rev*10 +r;
no = no/10;
}
if(x == rev) {
System.out.println("palindrome");
}
else {
System.out.println("not a palindrome");
}
```

Q4. Accept a term from user and print Fibonacci series.

```
int a = 0;
int b = 1;
System.out.println("enter a num");
int num = in.nextInt();
int n=0;
if(num<=0) {
System.out.println("num should be greater than 0");
}
else if(num == 1) {
System.out.println(a);
}
else if (num == 2) {
System.out.println(a+" "+b+" ");
}
else {
System.out.print(a+" "+b+" ");
while(n< num-2) {
int c= a+b;
System.out.print(c+" ");
a = b;
b = c;
n++;
}
}
```