ex.1
```java
public class ExWhile {
public static void main (String []args) {
    int i=100;
    double s=0;
    while (i>=2) {
        s+=i;
        s=Math.sqrt(s);
        i-=2;
    }
    System.out.println(s);
}
}
```

ex.2

```java
import java.util.Scanner;
public class Ex2While {
public static void main(String[] args) {

Scanner t= new Scanner(System.in);
int n= t.nextInt();
int i=100;
int s=0;
while (i<=999) {
    int x=i%10;
    int h=i/10;
    int y=h%10;
    int z=h/10;
    s=x+y+z;
    if(s==n) {
        System.out.println(i);
        }
    i++;
}
    t.close();
    }

}
```

ex.3
```java
import java.util.Scanner;
public class Ex3While {
 public static void main(String[] args) {

    Scanner t= new Scanner(System.in);
    int n=t.nextInt();
    int sum =0, sumsum=0, r;
    while(n!=0) {
    r=n%10;
    sum+=r;
    n=n/10;
    }
    System.out.println(sum);
    while(sum!=0) {
    r=sum%10;
    sumsum+=r;
    sum=sum/10;
    }
    System.out.println(sumsum);
    t.close();
    }

}
```

ex.4

```java
public class Rate {
    public static void main ( String [ ] args) {
        int r=0;
        int s=0;
        while (s<100 ) {
            r++;
            s= 2*r+r/2+r/4+1;
        }
        System.out.println (r);
    }

}
```