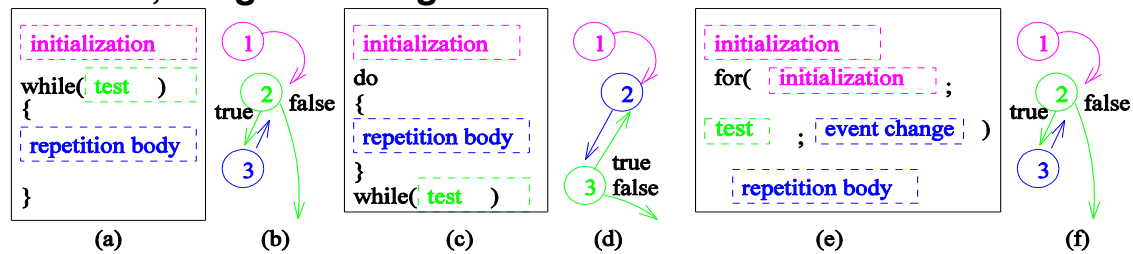


CIS1068, Program Design and Abstraction



Rewrite the following counter-control program to do while loop and for loop, in order to print out the biggest number inputted via keyboard.

```

Scanner keyboard = new Scanner(System.in);
int max = -1;
int n;
int c = 0;
while (c<10)
{
    n = keyboard.nextInt();
    if (n > max)
    {
        max = n;
    }
    c++;
}
System.out.print(max);

```

Do while loop:

```

Scanner keyboard = new Scanner(System.in);
int max, n, c;
?
do
{
?
} ? ( ? );
System.out.print(max);

```

For loop:

```

Scanner keyboard = new Scanner(System.in);
int max, n, c;
?
for (? )
{
?
};
System.out.print(max);

```

Rewrite the following event control program to while loop and for loop.

```
Scanner keyboard = new Scanner(System.in);
int total = 0;
int c = 1;
int n = keyboard.nextInt();
while(c<2*n)
{
c = c* 2;
total = total + c;
System.out.print(" "+c);
}
System.out.println(total);
```

While loop:

```
Scanner keyboard = new Scanner(System.in);
int total, c, n;
?
do
{
?
} while(?);
System.out.print(total);
```

For loop:

```
Scanner keyboard = new Scanner(System.in);
int total, c, n;
?
for (? )
{
?
};
System.out.print(total);
```

Provide the value printed on the screenshot:

```
public class For1 {
    public static void main(String [] args) {
        for(int i = 1; i < 10; i*=i) {
            System.out.println("i = " + i);
        }
    }
}
```

```
public class For2 {
    public static void main(String [] args) {
        int i;
        for(i = 1; i < 5; i++)
            System.out.println("i = " + i);
    }
}
```

```
public class For3 {
    public static void main(String [] args) {
        int i;
        for(i = 1; i < 5; i++);
        System.out.println("i = " + i);
    }
}
```

```
public class For4 {
    public static void main(String [] args) {
        for(int i = 1; i < 5; i++);
        System.out.println("i = " + i);
    }
}
```

```
public class For5 {
    public static void main(String [] args) {
        for(int i = 1; i < 0; i++) {
            System.out.println("i = " + i);
        }
    }
}
```

```
public class Do_while1 {
    public static void main(String [] args) {
        int i = 1;
        do{
            System.out.println("i = " + i);
            i++;
        }while (i < 0);
    }
}
```