

a) `if (age >= 65);`

```
System.out.println("Age is greater than or equal to 65");
```

else

```
System.out.println("Age is less than 65");
```

Fixed :

```
if (age >= 65)
```

```
System.out.println("Age is greater than or equal to 65");
```

else

```
System.out.println("Age is less than 65");
```

b) `int x = 1, total;`

```
while (x <= 10)
```

```
{
```

```
total += x;
```

```
++x;
```

```
}
```

Fixed :

```
int x = 1, total = 0 ;
```

```
while (x <= 10) {
```

```
total += x;
```

```
++x;
```

```
}
```

c) while (x <= 100)

```
total += x;
```

```
++x;
```

Fixed :

```
while (x <= 100)
```

```
{    total += x;
```

```
    ++x;
```

```
}
```

d) while (y > 0)

```
{
```

```
    System.out.println(y);
```

```
    ++y;
```

Fixed :

```
while (y > 0)
```

```
{
```

```
    System.out.println(y);
```

```
    ++y;
```

```
}
```