Exercise 1

Using the following variables:

```
x=1
i=c(1:10)
```

For this exercise, write a for() loop that increments x by two for each i.

Exercise 2

Using the following variables:

```
x=1
y=40
i=c(1:10)
```

For this exercise, write a for() loop that increments x by three and decrease y by two, for each i.

Exercise 3

Using the following variables:

```
a,b
```

For this exercise, write a nested for() loop (where the outer for loop increment a from 2 to 8 by 1, and the

inner for loop increment b from 1 to 6 by 1) that print "a, ' less than ',b" if a<b.

Exercise 4

Using the following variable:

```
x=c(2,4)
```

For this exercise, type a while () loop that adds even numbers to x, while the length of x is less than 12.

For example, in the first iteration you get x = 2, 4, 6, and the third x = 2, 4, 6, 8.

Exercise 5

Using the following variable:

```
a=15:10
b=20:15
```

```
For this exercise, type a while () loop that computes a vector x=225 224 221 216 209
200 ,such that
x[1]=a[1]*b[6]
x[2]=a[2]*b[5]
x[3]=a[3]*b[5]
x[6]=a[6]*b[1]
Exercise 6
Using the following variable:
a=1:10
For this exercise, type a while () loop that computes a vector x=1 3 6 10 15 21 28 36 45
55 , such that
x[1]=a[1]
x[2]=a[1]+a[2]
x[3]=a[1]+a[2]+a[3]
Exercise 7
Using the following variable:
i=10
x=10
For this exercise, type a repeat () loop that decreasing i computes x=x/i until i=0.
Exercise 8
Using the following variable:
x=100
y = 50
i=1
```

For this exercise, type a repeat () loop that incrementing i computes x=x-i and y=y+i

until x<y.

Exercise 9

Using the following variable:

x=as.Date("10/11/2017", "%d/%m/%Y")

For this exercise, type a repeat () loop that increment x until x is equal to 31/12/2017.

Exercise 10

Using the following variable: