Questions to practice

Lab 1
What's wrong in the following statement, provided k is a variable of type int?
```
for(k = 2, k <=12, k++)
```

What is the output? (Control Flow)
Problem 1

```
for(i = 0; i<10; i++);
printf("%d", i);
```

What happens when any of the expressions are ommitted?
Problem 2
```
for(i=10; i++; i<15)
  printf("%d ", i);
```

Problem 3
```
void main()
{
   int s=0;
   while(s++<10)
   {
     if(s<4 && s<9)
     continue;
     printf("%dt", s);
   }
}
```
How does the output change if there is a break?

Problem 4
```
int c[10] = {1,2,3,4,5,6,7,8,9,10};
main()
{
  int a, b=0;
  for(a=0;a<10;++a)
    if(c[a]%2 == 1)
      b+=c[a];
  printf("%d", b);
}
```

Problem 5
What does this do?
```
#include <string.h>
void reverse(char s[])
{
int c,i,j;
for(i=0, j = strlen(s)-1; i<j; i++, j--){
c=s[i], s[i]=s[j], s[j]=c;
}
}
```
Problem 6
```
#include<stdio.h>
void main()
{
  int y=10;
  if(y++>9 && y++!=10 && y++>11)
    printf("%d", y);
  else
    printf("%d", y);
}
```
Problem 7
```
void main()
{
  int sum=1, index = 9;
  do{
    index = index – 1;
    sum *= 2;
  }while( index > 9 );
}
```