

## Lab #2

```
1)
#include <stdio.h>
int main()
{
int a=10, b=20; <int only gives an integer value for an answer.
float c;
c=a/b;
printf("Answer = %f \n",c);
return 0;
}
```

Change int to double so that the value can be seen even if it is not an integer.

```
2)
#include <stdio.h>
int main()
{
int i;
for (i=100; i>=0; i=i-2)
printf("i = %d \n",i);
return 0;
}
```

This program counts down from 100 to 0 by units of 2.

```
3)
#include <stdio.h>
int main()
{
int i;
for (i=0; i<10; i++)
printf("Hello world\n");
return 0;
}
```

```
4)
#include <stdio.h>
int main()
{
int i;
for (i=0; i<=20; i=i+2)
printf("i = %d \n",i);
return 0;
}
```

```
5)
#include <stdio.h>
int main()
{
int i;
for (i=1; i<=21; i=i+2)
printf("i = %d \n",i);
return 0;
}
```

```
6)
#include <stdio.h>
int main()
{
int i;
```

```
printf("Enter an integer =");
scanf("%d", &i);
if (i%2==0)
printf("You have entered an Even number!");
if (i%2==1)
printf("You have entered an Odd number!");
return 0;
}
7)
#include <stdio.h>
#include <math.h>
int main()
{
int i; float sum=0.0;
for (i=0; i<= 100 ; i++) sum = sum + pow(i,3);
printf("Sum = 1/%f \n",sum);
return 0;
}
8)
#include <stdio.h>
#include <math.h>
int main()
{
int i,n;
float sum=0.0;

printf("Enter # of iterations = ");
scanf("%d", &n);

for (i=1;i<= 100;i++)
sum = sum + pow(-1, i+1)/(i*i);

printf(" %f. ", sum);
return 0;
}
```