

Array

November 10, 2022

```
[1]: float *data = (float*)malloc(sizeof(float)*10001);
```

```
[2]: data[0]=1.0;
     for(int i=1; i<10001; i++)
       data[i]=1e-9;
```

```
[3]: float sum1 =0.0;
     for(int i=0; i<10001; i++){
       sum1+=data[i];
     }
     printf("Result is %.8f \n", sum1);
```

Result is 1.00000000

```
[4]: float sum2 =0.0;
     for(int i=10000; i>=0; i--){
       sum2+=data[i];
     }
     printf("Result is %.8f \n", sum2);
```

Result is 1.00001001

```
[ ]:
```