Contoh Array

Array sebagai tipe data bentukan

```
#include "stdio.h"
#define maks 10

//membentuk tipe data dengan menggunakan array
typedef struct {int L[maks+1];
                char C[maks+1];
                 }LarikInt;
int main(){
                  LarikInt A;
                  int i, j, k;
                  for (i=1;i<=maks;i++){
                                        A.L[i]=2*i;
                  }

                  for (j=1;j<=maks;j++){
                                        A.C[j]='*';
                  }

                  for (k=1;k<=maks;k++){
                                        printf("%d ",A.L[k]);
                                        printf("%c ",A.C[k]);
                  }
}
```

Isi Array dibaca dari inputan user

```
#include "stdio.h"
#include "stdlib.h"

#define maks 100

int main(){
	int A[maks+1];
	int i, count, total;
	char jawab;
	i=1; count=0; total=0;
	do{
		scanf("%d",&A[i]);
		printf("Apakah mau mengisi lagi ?");
		fflush(stdin);
		scanf("%c",&jawab);
		count++;
		i++;
	}while (jawab=='y');
	//count = i-1;
	for (i=1;i<=count;i++){
		printf ("%d ",A[i]);
	}
	//hitung total data di array
	for (i=1;i<=count;i++){
		total=total+A[i];
	}
	printf("\ntotal : %d",total);
	printf("\nrata2 : %d",total/count);

}
```

Array dalam Upa Program

```
#include "stdio.h"
#include "stdlib.h"

#define maks 100

float HitungRata2(int Ar[maks+1], int count){
        int i, total;
        total=0;
        for (i=1;i<=count;i++){
                total=total+Ar[i];
        }
        return (total/count);
}
//baca nilai untuk array
//tampil array
int main(){
        float HitungRata2(int Ar[maks+1], int count);
        int A[maks+1];
        int i, count, total;
        char jawab;
        i=1; count=0; total=0;
        //baca nilai
                do{
                        scanf("%d",&A[i]);
                        printf("Apakah mau mengisi lagi ?");
                        fflush(stdin);
                        scanf("%c",&jawab);
                        count++;
                        i++;
                }while (jawab=='y');
                //count = i-1;

                //tampil array
                for (i=1;i<=count;i++){
                        printf ("%d ",A[i]);
                }
                //hitung total data di array

                /*for (i=1;i<=count;i++){
                        total=total+A[i];
                }
                printf("\ntotal : %d",total);
                printf("\nrata2 : %d",total/count);
                */
                printf("\nRata2 : %.2f",HitungRata2(A,count));
}
```