

C lab 10 2023.07.10

```
#include<stdio.h>
int main()
{
    int a[10],b,c=0,min,max;
    for(b=0;b<=9;b++){
        printf("Enter Value %d - ",b+1);
        scanf("%d",&a[b]);
        c=c+a[b];
    }
    min=a[0];
    max=a[0];
    for(b=1;b<=9;b++){
        if(a[b]>max){max=a[b];}
        if(a[b]<min){min=a[b];}
    }
    printf("\nMinimum Value - %d\n",min);
    printf("Maximum Value - %d\n",max);
    printf("Average Value - %.2f\n\n",(float)c/10.0);
    printf("Reverse Order Of Values\n");
    for(b=9;b>=0;b--){
        printf("Value %d - %d\n",b+1,a[b]);
    }
}
```

```
#include<stdio.h>
int main()
{
    int h;
    printf("Enter The Size For The Array 1 And Array 2 (Array 1 And Array 2 Both Should Have Equal Size) - ");
    scanf("%d",&h);
    int a[h],b[h],c,d,e,f[h],g[h],k;
    printf("\nArray 1\n");
    for(c=0;c<h;c++){
        printf("Enter Value %d - ",c+1);
        scanf("%d",&a[c]);
    }
    printf("\nArray 2\n");
    for(c=0;c<h;c++){
        printf("Enter Value %d - ",c+1);
        scanf("%d",&b[c]);
    }
    d=a[0];
    e=b[0];
    for(c=1;c<h;c++){
        d=d+a[c];
        e=e+b[c];
    }
    printf("\nScaler Sum Of Array 1 - %d\n",d);
    printf("Scaler Sum Of Array 2 - %d\n",e);
}
```

```
printf("Vector Sum Of Array 1 And Array 2 - ");
for(c=0;c<h;c++){
    f[c]=a[c]+b[c];
    printf("%d ",f[c]);
}
printf("\nVector Product Of Array 1 And Array 2 - ");
for(c=0;c<h;c++){
    g[c]=a[c]*b[c];
    printf("%d ",g[c]);
}
k=g[0];
for(c=1;c<h;c++){
    k=k+g[c];
}
printf("\nScaler Product Of Array 1 And Array 2 - %d\n",k);
}
```