1. Find minimum and maximum number in array.

```
#include<stdio.h>
#include<stdlib.h>

int arraymax(int a[5], int n);

int main()
{
        int n, *a;

   printf("Enter the size of the array: ");
   scanf("%d", &n);

   a = (int *)malloc(n * sizeof(int));

        printf("Enter the element: ");
        for(int i=0;i<n;i++)
        {
                scanf("%d",&a[i]);
        }
        arraymax(a,n);
}
int arraymax(int a[], int n)
{
        int max=a[0], min=a[0];

        for(int i=0;i<n;i++)
        {
                printf("%d\n", a[i]);
                if(a[i]>max)
                        max=a[i];
                if(a[i]<min)
                        min=a[i];
        }
        printf("Maximum Value of an array is: %d\n", max);
        printf("Minimum Value of an array is: %d\n", min);
        return 0;
}
```

3. Find sum of all numbers.

```
#include<stdio.h>
#include<stdlib.h>

int arraysum(int a[5], int n);
```

```
int main()
{
	int n, *a;

	printf("Enter the size of an array is: ");
	scanf("%d",&n);

	a=(int *)malloc(n * sizeof(int));

	printf("Enter the elements: ");
	for(int i=0;i<n;i++)
	{
		scanf("%d", &a[i]);
	}
	arraysum(a, n);
}
int arraysum(int a[], int n)
{
	int sum=0;

	for(int i=0;i<n;i++)
	{
		sum=sum+a[i];
	}
	printf("Sum of array is: %d\n", sum);
	return 0;
}

//4. Find odd and even among the numbers.

#include<stdio.h>
#include<stdlib.h>

int arrayoe(int a[5], int n);

int main()
{
	int n, *a;
	printf("Enter the size of an array: ");
	scanf("%d",&n);

	a=(int *)malloc(n * sizeof(int));

	for(int i=0;i<n;i++)
	{
		scanf("%d",&a[i]);
```

```
	}
	arrayoe(a, n);
}
int arrayoe(int a[], int n)
{
	printf("\n Even number");
	for(int i=0;i<n;i++)
	{
		if(a[i]%2==0)
		{
			printf("%d\n", a[i]);
		}
	}

	printf("\n Odd Number");
	for(int i=0;i<n;i++)
	{
		if(a[i]%2!=0)
		{
			printf("%d\n", a[i]);
		}

	}
	return 0;
}

//5. Print alternate elements in array.

#include<stdio.h>
#include<stdlib.h>

int arraymulti(int a[5], int n);

int main()
{
	int n, *a;

	printf("Enter the size of an array: ");
	scanf("%d",&n);

	a=(int *)malloc(n * sizeof(int));


	printf("Enter the elements");
	for(int i=0;i<n;i++)
	{
		scanf("%d",&a[i]);
```

```
	}
	arraymulti(a,n);
}
int arraymulti(int a[], int n)
{

	for(int i=0;i<n;i=i+2)
	{
		printf(" %d ",a[i]);
	}
	return 0;
}
```

//7. Take two array and add sum in third array Examplearr[5]= {1,2, 3, 4,5} brr[5]={10,20,30, 40, 50} crr[5]={11,22,33,44,55}

```
#include<stdio.h>
#include<stdlib.h>
int array(int a[], int b[], int n);

int main()
{
	int *a, *b, n;

	printf("Enter the size of an array: ");

	scanf("%d",&n);

	a=(int *)malloc(n * sizeof(int));
	b=(int *)malloc(n * sizeof(int));


	printf("Enter the 1st elements: ");

	for(int i=0;i<n;i++)
	{
		scanf("%d",&a[i]);
	}

	printf("Enter the 2nd elements: ");

	for(int i=0;i<n;i++)
	{
		scanf("%d",&b[i]);
	}

	array(a,b,n);
```

```
}
int array(int a[], int b[], int n)
{
	int sum[100];

	for(int i=0;i<n;i++)
	{
		sum[i]=a[i]+b[i];
	}

	printf("Sum of two array is: \n");

	for(int i=0;i<n;i++)
	{
		printf("%d\n",sum[i]);
	}

	printf("\n");

	return 0;
}

//8. Merge two arrays

#include<stdio.h>
#include<stdlib.h>
int array(int a[], int b[], int n1, int n2);

int main()
{
	int *a,*b, n1,n2;

	printf("Enter the size of an array: ");
	scanf("%d",&n1);

	a=(int *)malloc(n1 * sizeof(int));
	b=(int *)malloc(n2 * sizeof(int));

	printf("Enter 1st elements of an array");

	for(int i=0;i<n1;i++)
	{
		scanf("%d",&a[i]);
	}

	printf("Enter the size of an array: ");
```

```
	scanf("%d",&n2);

	printf("Enter 2nd elements of an array");

	for(int i=0;i<n2;i++)
	{
		scanf("%d",&b[i]);
	}
	array(a,b,n1,n2);
}
int array(int a[], int b[], int n1, int n2)
{
	int merge[100];

	for(int i=0;i<n1;i++)
	{
		merge[i]=a[i];
	}

	for(int i=0;i<n2;i++)
	{
		merge[n1+i]=b[i];
	}

	printf("Merge Array is: \n");

	for(int i=0;i<n1+n2;i++)
	{
		printf("%d ",merge[i]);
	}
	return 0;
}
```