

```
1: #include <stdio.h>
2: #include <stdlib.h>
3:
4: //odd and even number using malloc //
5: void main()
6: {
7:     int i,n,odd,even;
8:
9:     printf("Enter Size of array:");
10:    scanf("%d",&n);
11:    int a[n];
12:    int *p;
13:    p= (int*) malloc((sizeof (int)*n));
14:    //p=a;
15:    printf("Enter Your non Repeatative Numbers Here:\n");
16:    for(i=0;i<n;i++)
17:    {
18:        scanf("%d",&p[i]);
19:
20:    }
21:
22:    printf("Your Even Numbers from above Numbers are:");
23:    for(i=0;i<n;i++)
24:    {
25:        if(p[i]%2==0)
26:        printf("%d ",p[i]);
27:    }
28:
29:    printf("\nYour Odd Numbers from above Numbers are:");
30:    for(i=0;i<n;i++)
31:    {
32:        if(p[i]%2==1)
33:        printf("%d ",p[i]);
34:    }
35:
36: }
37:
38:
39:
```

```
1: #include <stdio.h>
2: #include<stdlib.h>
3: //Max Number and min..using malloc //
4: void main()
5: {
6:     int i,a[50],n,min,max;
7:
8:     printf("Enter Size of array:");
9:     scanf("%d",&n);
10:    int *p;
11:    p= (int*) malloc((sizeof (int)*n));
12:
13:    //p=a;
14:
15:    printf("Enter your Numbers here You Need to find Max and Min from ");
16:
17:    for(i=0;i<n;i++)
18:    {
19:        // printf("Enter your Numbers here:\n ");
20:        scanf("%d",&p[i]);
21:    }
22:    min=max=p[0];
23:    for(i=1;i<n;i++)
24:    {
25:        if(min>p[i])
26:        min=p[i];
27:        if(max<p[i])
28:        max=p[i];
29:    }
30:    printf("minimum of array is : %d",min);
31:    printf("\nmaximum of array is : %d",max);
32:
33: }
34:
35:
36:
```

```
1: #include <stdio.h>
2: #include <stdlib.h>
3:
4: //Prime number by array //
5: void main()
6: {
7:     int i,n,j,count=0;
8:
9:     printf("Enter Size of array:");
10:    scanf("%d",&n);
11:    int a[n];
12:    int *p;
13:    p= (int*) malloc((sizeof (int)*n));
14:
15:    printf("Enter Your Numbers Here:\n");
16:    for(i=0;i<n;i++)
17:    {
18:        scanf("%d",&p[i]);
19:
20:    }
21:
22:    printf("Your Prime Numbers from above Numbers are:");
23:    for(i=0;i<n;i++)
24:    {
25:        for(j=2;j<p[i];j++)
26:        {
27:
28:            if(p[i]%j==0)
29:            {
30:                count=1;
31:
32:            }
33:        }
34:        if(count==0)
35:            printf("%d ",p[i]);
36:
37:
38:    }
39: }
40:
41:
```

```
1: #include <stdio.h>
2: #include <stdlib.h>
3:
4:
5: //sum using malloc //
6: void main()
7: {
8:     int i,a[50],n,sum;
9:
10:    printf("Enter Size of array:");
11:    scanf("%d",&n);
12:    int *p;
13:    p= (int*) malloc((sizeof (int)*n));
14:
15:    printf("Enter Your Numbers Here:\n");
16:    sum=0;
17:    for(i=0;i<n;i++)
18:    {
19:        scanf("%d",&p[i]);
20:        sum=sum+p[i];
21:
22:    }
23:
24:    printf("Sum of All Above Numbers are:%d",sum);
25:
26: }
27:
28:
```