```c
1.   #include <stdio.h>
     #include <conio.h>
     #include <math.h>
     void main ()
     {
       int i,a, num, sum = 0;
       clrscr();
       printf("Enter the number\n");
       scanf("%d", &num);
       for(i=1; i<= num; i++)
       {
         if(i%2 != 0)
         {
           a = pow(i,2);
           sum = sum + a;
         }
       }
       printf("The sum of squares of odd
                numbers is %d", sum);
       getch();
     }
```

```c
2.  #include <stdio.h>
    #include <conio.h>
    void main ()
    {
    int i, num, arr [20], small, s_pos, large,
            l_pos, temp;
    clrscr();
    printf("Enter the number of elements\n");
    scanf("%d", &num);
    printf("Enter the elements\n");
    for (i=0; i<num; i++)
     scanf("%d", &arr[i]);
    small = arr[0];
    s_pos = 0;
    large = arr[0];
    l_pos = 0;
    for(i=0; i<num; i++)
    {
     if (arr[i] < small)
     {
        small = arr[i];
        s_pos = i;
     }
     if(arr[i] > large)
     {
        large = arr[i];
        l_pos = i;
     }
    }
```

```c
temp = arr[s_pos];
arr[s_pos] = arr[l_pos];
arr[l_pos] = temp;
printf("The array after swapping is \n");
for(i = 0; i < num; i++)
printf("%d ", arr[i]);
getch();
}
```

3.
```c
#include <stdio.h>
#include <conio.h>
void main()
{
int arr[50], i, num, sum = 0;
float av;
clrscr();
printf("Enter the number of elements\n");
scanf("%d", &num);
printf("Enter the elements\n");
for(i = 0; i < num; i++)
scanf("%d", &arr[i]);
for(i = 0; i < num; i++)
{
sum = sum + arr[i];
}
av = (float) sum / num;
printf("The sum and average of %d elements
is %d and %f", num, sum, av);
```

```
getch ();
}
```