

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

```
int main()
```

```
{
```

```
int n, r, i, s = 0;
```

```
printf("Enter a number:");
```

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

```
i = n;
```

```
while(i != 0)
```

```
{
```

```
r = i % 10;
```

```
s = s * 10 + r;
```

```
i = i / 10;
```

```
}
```

```
printf("The sum of all digits of the number  
is %d", s);
```

```
return 0;
```

```
}
```

```
2) #include <stdio.h>
```

```
int main ()
```

```
{
```

```
int arr[6], i, s = 0;
```

```
printf("Enter an array having 6 elements: \n");
```

```
for (i = 0; i < 6; i++)
```

```
{
```

```
if (i % 2 != 0)
```

```
{
```

```
s = s + arr[i];
```

```
}
```

```
if (arr[i] % 2 == 0)
```

```
{
```

```
s = s + arr[i];
```

```
}
```

```
}
```

```
printf("Sum of all the even elements and odd  
position elements of the array is: %d", s);
```

```
return 0;
```

```
}
```



```

5) #include <stdio.h>
   #include <conio.h>
   void main()

```

```

{
  char c[100];
  int n = 0, i;

```

```

  printf("Enter a string: \n");
  scanf("%[^\n]c", c);

```

```

  for (i = 0, c[i] = '\0', i++)
  {

```

```

    if (c[i] == ' ' && c[i+1] != ' ')

```

```

      n++;

```

```

  }
  printf("The number of words in the sentence is: ",
    n+1);

```

```

  return 0;
}

```

4) #include <stdio.h>

int main()

{

int a[200], i, j, l, s;

printf("number of elements: ");

scanf("%d", &j);

printf("Enter the array: ");

for(i=0; i<=j-1; ++i)

{

if(a[i] > l)

l = a[i];

if(a[i] < s)

s = a[i];

}

printf("The largest element is %d\n", l);

printf("The smallest element is %d", s);

return 0;

}



```
5) #include <stdio.h>
int main()
```

```
{
```

```
    int i, j;
```

```
    for (i = 1; i <= 5; i++)
```

```
    {
```

```
        for (j = 1; j <= 5; j++)
```

```
        {
```

```
            if (j == i || (j == 5 - i + 1))
```

```
                printf("#");
```

```
            else
```

```
                printf(" ");
```

```
        }
```

```
        printf("\n");
```

```
    }
```

```
    return 0;
```

```
}
```