①
```c
#include <stdio.h>
int main ()
{
    int i=1, n,s=0;
    printf ("enter a value of n");
    scanf ("%d", &n);
    while (i<=n)
    {
        s = s + i;
        i++;
    }
    printf ("%d", s);
}
```

②
```c
#include< stdio-h >
int main ()
{
    int i=2, n, s=0;
    printf ("enter a value of n");
    scanf ("%d", &n);
    while( i <=n)
    {
        s = s + i;
        i = i + 2;
    }
    printf ("%d", s);
}
```

③
```c
#include <stdio.h>
int main ()
{
    int i=1, n, s=0;
    printf ("enter a value of n");
    scanf ("%d", &n);
    while (i<=n)
    {
        s = s + i;
        i = i + 2;
    }
    printf ("%d", s);
}
```

```c
4 #include <stdio.h>
  int main()
  {
    int i=1, n, s=0, a;
    printf("%d", &n);
    while (i<=n)
    {
      a=(i*i);
      s=(s+a);
      i++;
    }
    printf("%d", s);
  }
```

```c
5 #include <stdio.h>
  int main()
  {
    int i=1, n, s=0, a;
    printf("%d", &n);
    while (i<=n)
    {
      a=(i*i*i);
      s=(s+a);
      i++;
    }
    printf("%d", s);
  }
```

```c
6 #include <stdio.h>
  int main()
  {
    int i=1, n, s=1, a;
    printf("enter a value of n");
    scanf("%d", &n);
    while (i<=n)
    {
      s=(s*i);
      i++;
    }
    printf("%d", s);
  }
```

```c
⑦ #include <stdio.h>
int main()
{
  int y=0,x;
  printf("enter a value of x");
  scanf("%d",&x);
  while(x>0)
  {
    x/=10;
    y+=1;
  }
  printf("no. of digit is %d", y);
}

⑧ #include <stdio.h>
int main()
{
  int x, i;
  printf("Enter a number");
  scanf("%d", &x);
  for(i=2; i<=x-1; i++)
    if(x%i==0)
      break;
  if(i==x)
    printf("%d is a prime number", x);
  else
    printf("%d is a not a prime number", x);
}

⑨ #include <stdio.h>
int main()
{
  int a,b,L;
  printf("Enter two number");
  scanf("%d %d", &a, &b);
  for(L=a>b?a:b; L<=a*b; L++)
    if(L%a==0 && L%b==0)
      break;
  printf("LCM is %d", L);
}
```

```c
(10)  #include <stdio.h>
      int main()
      {
          int n,x,y;
          printf("Enter a number"));
          scanf("%d", &n);
          while(n>0)
          {
              x=n/10;
              y= n%10;
              printf("%d"|y));
              n= x;
          }
      }
```