Programming In C

Tutorial Five

30499

01) Switch

```c
#include <stdio.h>
    int main ()
    {
        int no1, no2, total, +,-,*,/;
        char;
        printf("Enter Two Numbers");
        scanf("%d %d" , & no1, & no2;
        switch
          {
              case '+' :
                      total = no1 + no 2;
                      break;
              case '-' :
                      total = no1 – no 2;
                      break;
               case '*' :
                       total = no1 * no2;
                        break;
              case '/' :
                      total = no1 / no 2;
                      break;
          }
        printf("Please enter Your Choice");
    }
```

02) While Loop

```c
1) #include <stdio.h>
   Int main()
   {
        int no, evenc = 0, oddc = 0, counter = 0;
        printf("Enter %d number");
        while (counter<=10)
            {
                scanf ("%d",& no);
                if ( no%2 == 0)
                evenc++;
              else
                oddc++;
               counter= counter+1;
            }
           printf (" Total count of even numbers %d \n",evenc);
           printf("Total count of odd numbers %d \n", oddc);
   }

2) #include <stdio.h>
   int main()
   {
      int no, oddc = 0, evenc = 0, ;
      scanf("%d", &no);
      while (num != -99)
        {
            if (no%2 = = 0)
                evenc++;
            else
                oddc++;
        }
      scanf("%d",&no);
     }
   printf("Total number of even numbers %d\n",evenc);
   printf("Total number of odd numbers %d\n", oddc);
```

```
        }

03)   Do While Loop

   1) #include <stdio.h>
      int main()
      {
          int no, oddc = 0, evenc= 0, counter = 1;
      do
       {
          printf("Enter %d number");
          scanf("%d",& no);
          if( no%2 = = 0)
             evenc++;
          else
             oddc++;
           counter++;
        }
      while ( counter <= 10);
      printf(" Total number of odd numbers %d \n", oddc);
      printf(" Total number of even numbers %d \n" , evenc);

      }

   2) #include <stdio.h>
       int main()
      {
          int arr[10], i=0 , evenc = 0 , oddc = 0 ;
          printf ("Enter %d number");
          do
           {
               scanf ("%d", 7 arr[i]);
               if (arr [i] % 2 = = 0)
                  evenc++;
               else
```

```c
            oddc++;
        i++;
        }


    }

while ( arr [i-1] ! = - 99);
printf (" Total number of even numbers %d \n", evenc);
printf (" Total number of odd numbers %d \ n", oddc);


}
```

04)   For Loop

1)
```c
#include <stdio.h>
int main()
{
    int no , counter ;
    float total = 0, avg;
    for ( counter = 0 , counter <= 10, counter++)
      {
        printf ( " Enter %d number");
        scanf ( " %d", & no );
        total += no;
      }
        avg = total / 10;
        printf ( " Average value is %.2f ", avg 0;

}
```

2)
```c
#include <stdio.h>
Int main()
```

```c
{
    for ( int n = 1 ; n <= I ; n++)
      {
          printf(" * " ) ;
      }
    printf( " \ n " );
}
```