Programming In C

Practical Four

30499

01)

- ```
  #include <stdio.h>
  int main()
  {
      int n ;
      printf(“ Enter A Number.” );
      scanf(“ %d”, &n);
      if( n%2 == 0)
          printf(“ %d Is An Even Number.”);
      else
          printf(“ %d Is An Odd Number.”);
  }
  ```

- ```
  #include <stdio.h>
  int main()
  {
      int n, k;
      printf(“ Enter A Number.”);
      scanf(“ %d”, &n);
      k = n%2;
      switch(k)
        {
            case 0 : printf(“ %d Is An Even Number.);
                     break;
             default : printf(“ %d Is An Odd Number.”);
                       break;
  ```

```
        }
    }
```

02)
```
#include <stdio.h.
int main()
{
    int no1,no2, a, o, b;
    printf(" Enter First Number.");
    scanf(" %d", &no1);
    printf( " Enter Second Number.");
    scanf(" %d", &no2);
    printf(" Choose An Operation\n 1-->+\n 2--> -\n 3--> *\n 4 -->/\n
Enter Operation :");
    scanf(" %d", &o);
    switch(o)
      {
        case 1 : a = no1 + no2;
                 printf(" Answer Is = %d ",a);
                 break;
         case 2 :  if( no1<= no2)
                   a = no2 – no1;
                   else
                    a = no1 – no2;
                    printf(" Answer is = %d", a);
                    break;
         case 3 : a = no1 * no2;
                  printf(" Answer Is = %d", a);
                  break;
         case 4 : if( no1<= no2)
                   a = no2/no1;
                  else
                    a = no1/no2;
                    b= no1%no2;
```

```
                    printf(" Answer Is = %d \n Remainder = %d", a,b);
                    break;
                default : printf(" Error : Invalid Operation.");
                }
            }
```

03)
```
#include <stdio.h>
int main()
{
    float r,c,a,v,p=3.14159;
    int o;
    printf(" Select what you need to calculate\n1.--
>Circumference\n2.-->Area\n3.-->Volume");
    scanf("%d",&o);
    printf(" Input the value of the radius");
    scanf(" %f",&r);
    switch(o)
     {
        case 1 : c = 2 *p * r;
                 printf(" Circumference = %f",c);
        case 2 : a = p * r * r;
                 printf(" Area = 5f",a);
                 break;
        case 3 : v = 4 * p * r * * r * r / 3;
                  printf(" Volume = %f",v);
                 break;
       default : printf(" Error! Invalid operation");
     }
```

```
}
```

04)

```
#include <stdio.h>
int main()
{
      char i;
       printf(“ Enter A Letter.”);
       scanf(“ %c”, &i);
       switch(i)
         {
              case ‘a’ : printf( “ %c is a vowel.”,i );
                          break;
              case ‘e’ : printf(“ %c is a vowel.”,i);
                         break;
              case ‘i’ : printf(“ %c is a vowel.”,i);
                         break;
               case ‘o’ : printf(“ %c is a vowel.”,i);
                          break;
                case ‘u’ : printf(“ %c is a vowel.”,i);
                           break;
                case ‘A’ : printf(“ %c is a vowel.”,i);
                           break;
                case ‘E’ : printf(“ %c is a vowel.”,i);
                           break;
                case ‘I’ : printf( “ %c is a vowel.”,i);
                           break;
                 case ‘O’ : printf(“ %c is a vowel.”,i);
                            break;
                 case ‘U’ : printf(‘ %c is a vowel.”,i);
                            break;
                 default : printf(“ %d is not a vowel.”,i);
              }
       }
```

05)
```
#include <stdio.h>
int main()
{
    int m;
    printf(" Enter A Month.");
    scanf(" %d" ,&m);
    switch(m)
      {
          case 1 : printf(" %d st month has 31 days.",m);
                   break;
           case 2 : printf(" % rd month has 31 days.",m);
                   break;
            case 5:
            case 7 :
            case 8 :
            case 10 :
            case 12 : printf(" %d th month has 31 days.",m);
                      break;
            case 4 :
            case 6 :
            case 9 :
             case 11 : printf(" %d month has 30 days.",m);
                       break;
              case 2 : printf(" %d nd month has 28 days.",m);
                       break;
               default : printf(" Error! Invalid Input.");
             }
        }
```