Assignment - Week - 1

1. Enter two no. and perform all arithmetic operatio

```
#include <stdio.h>
void main()
{
int a, b;
int add, sub, mul, mod;
float div;
printf("Enter two number : ");
scanf("%d %d", &a &b);
add = a + b;
sub = a - b;
mul = a * b;
mod = a % b;
div = a / (float) b;

printf("Addition is %d \n", add);
printf("Substraction is %d \n", sub);
printf("Multiplication is %d \n", mul);
printf("Modulus is %d \n", mod);
printf("Division is %f \n", div);

return 0;
}
```

2. Enter temp. in celsius and convert it into farenheit.

```
#include <stdio.h>
int main()
{
 float C, F;
 printf("Enter temperature in Celsius:");
 scanf("%f", &C)
 F = (9/5 * C) + 32
 printf("The temperature in Farenheit is %d \n", F
 return 0;
 }
```

3. Enter the radius of a circle and find its diameter circumference and area.

```
#include <stdio.h>
 int main()
 {
  int r, c, a, d;
 printf("Enter radius of a circle :");
 scanf("%d", &r);

 c = 2 * 3.14 * r;
 d = 2 * r;
 a = 3.14 * r * r;
 printf("Diameter of circle is %d \n", d);
 printf("Circumference of circle is %d \n", c);
 printf("Area of circle is %d \n", a);
 return 0;
 }
```

4. Calculate percentage and grade according to following :

Percentage >= 90% : Grade A
" >= 80% : Grade B.
" >= 70% : Grade C.
" >= 60% : Grade D.
" >= 40% : Grade E
" < 40% : Grade F

```
#include <stdio.h>
int main
{
int Physics, Chemistry, Biology, Mathematics, Computer;
float Percentage;
printf ("Enter physics mark = ");
scanf ("%d", &Physics);
printf ("Enter Chemistry mark = ");
scanf ("%d", &Chemistry);
printf ("Enter Biology mark = ");
scanf ("%d", &Biology);
printf ("Enter Mathematics mark = ");
scanf ("%d", &Mathematics);
printf ("Enter Computer marks = ");
scanf ("%d", &Computer);
Percentage = (Physics + Chemistry + Biology + Mathematics +
              Computer) / 5.
printf ("\n Percentage = %.2f \n", Percentage);
if (Percentage >= 90)
{ printf ("\n Grade A");
}.
else
if (Percentage >= 80)
{ printf ("\n Grade B");
}
else if (Percentage >= 70).
{ printf ("\n Grade C");
}
```

```
else if (Percentage >= 60).
  {
    printf ("In Grade D");
  }.
else if (Percentage >= 40).
  {
    printf ("In Grade E").
  }.
else if (Percentage < 40).
  {
    printf ("In Grade F").
  }.

return 0;

}.
```

Check whether an alphabet is vowel or constant using switch case.

```
#include <stdio.h>
int main
{
  char ch;
  printf ("Enter any alphabet :");
  scanf ("%c", &ch);
  Switch (ch)
  {
    case "a":
    ~~if ch = a, e, i~~
      printf ("vowel");
      break;
    case 'e':
      printf ("vowel");
      break;
    case 'i':
    printf ("vowel");
      break;
    case 'o':
      printf ("vowel");
    break;
    case 'u':
      printf ("vowel");
       break;
    Case 'A':
      printf ("vowel");
    Case 'E':
      printf ("vowel");
       break;
    Case 'I':
    printf ("vowel");
    break;
    Case 'O':
    printf ("vowel");
      break;
    case 'U':
    printf ("vowel");
    break;
```

```
    default :
        printf ("Consonant");
    }
    return 0;
}
```