ASSIGMENT-2

1.TABLE:

INPUT:

```
#include <stdio.h>
int main(){
int a,b;
a=4;
b=1;
while(b<=10)
{
    printf("%dx%d=%d\n",a,b,a*b);
++b;
}
return 0;
}
```

OUTPUT:

```
4x1=4
4x2=8
4x3=12
4x4=16
4x5=20
4x6=24
4x7=28
4x8=32
4x9=36
```

4x10=40

2.SIMPLE INTREST:

INPUT:

```
#include <stdio.h>
int main(){
float p,t,r,SI;
printf("enter p");
    scanf("%f",&p);
    printf("enter t");
    scanf("%f",&t);
    printf("enter r");
    scanf("%f",&r);
 SI=(p*t*r)/100;
printf("SI=%f",SI);

return 0;
}
```

OUTPUT:

```
enter p3
enter t0.5
enter r100
SI=1.500000
```

3.DISCOUNT AMOUNT:

INPUT:

```
#include <stdio.h>
int main(){
float price,discount,discountamount;
printf("enter price:");
    scanf("%f",&price);
    printf("enter discount:");
    scanf("%f",&discount);
    discountamount=(discount/100)*price;
printf("  discountamount=%f",  discountamount);

return 0;
}
```

OUTPUT:

```
enter price:100
enter discount:10
discountamount=10.000000
```

4.CONVERT Kb INTO Mb:

INPUT:

```
#include <stdio.h>
int main(){
float Kb,Mb;
printf("enter value of Kb:");
    scanf("%f",&Kb);
  Mb=0.001*Kb;
printf("Mb=%f",Mb);
```

```
return 0;
}
```

OUTPUT:

```
enter value of Kb:3
Mb=0.003000
```

5.CONVERT Gb TO Mb:

INPUT:

```
#include <stdio.h>
int main(){
float Gb,Mb;
printf("enter value of Gb:");
     scanf("%f",&Gb);
   Mb=1000*Gb;
printf("Mb=%f",Mb);

return 0;
}
```

OUTPUT:

```
enter value of Gb:5
Mb=5000.000000
```

6.CONVERT Mb TO Kb:

INPUT:

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

```
float Kb,Mb;
printf("enter value of Mb:");
     scanf("%f",&Mb);
   Kb=1000*Mb;
printf("Kb=%f",Kb);

return 0;
}
```

OUTPUT:

```
enter value of Mb:5
Kb=5000.000000
```

7.CONVERT POUNDS TO GRAMS:

INPUT:

```
#include <stdio.h>
int main(){
float pound,gram;
printf("enter value of pound:");
     scanf("%f",&pound);
   gram=453.592*pound;
printf("Kb=%f",gram);

return 0;
}
```

OUTPUT:

```
enter value of pound:2
Kb=907.184021
```

8.FIND WETHER LETTER IS VOWEL OR CONSONANT:

INPUT:

```
#include <stdio.h>
int main(){
char a,e,i,o,u,letter;
printf("enter any letter:");
     scanf("%c",&letter);
   if (letter=='a' || letter=='e'|| letter=='i'|| letter=='o' || letter=='u')
   {
printf("letter is vowel");
}
else
{
    printf("letter is consonant");
}

return 0;
}
```

OUTPUT:

```
enter any letter:r
letter is consonant
```

9.CALCULATE SUM OF DIGITS ENTERED NUMBER:

INPUT:

```
#include <stdio.h>
int main(){
int a,b,sum;
printf("enter a:");
    scanf("%d",&a);
    printf("enter b:");
    scanf("%d",&b);
 printf("number=%d%d\n",a,b);
 sum=a+b;
 printf("sum=%d\n",sum);


return 0;
}
```

OUTPUT:

```
enter a:3
enter b:4
number=34
sum=7
```

10.DISPLAY FIRST 10 NATURAL NUMBERS AND THEIR SUM:

INPUT:

```
#include <stdio.h>
int main(){
int n,naturalnumber,sum;
n=1;
```

```
while (n<=10)
 {
     printf("naturalnumber=%d\n",n);
     n++;
}
     sum=(n*(n+1))/2;
 printf("sum=%d\n",sum);


return 0;
}
```

OUTPUT:

```
naturalnumber=1
naturalnumber=2
naturalnumber=3
naturalnumber=4
naturalnumber=5
naturalnumber=6
naturalnumber=7
naturalnumber=8
naturalnumber=9
naturalnumber=10
sum=66
```