~~C PROGRAMING

****

~~TO PRINT UR NAME , SAPPID AND COURSE NAME FROM USER ..

main.c

```c
#include <stdio.h>

int main()
{
    char name[50], course_name[50];
    int id;

    printf("Enter your name: ");
    scanf("%s", name);

    printf("Enter your course name: ");
    scanf(" %s", course_name);

    printf("Enter your ID: ");
    scanf("%d", &id);

    printf("Your name is %s, your course name is %s, your ID is %d", name, course_name, id);

    return 0;

}
```

>output :

input

```
Enter your name: ved
Enter your course name: btech
Enter your ID: 25177
Your name is ved, your course name is btech, your ID is 25177

...Program finished with exit code 0
Press ENTER to exit console.
```

~~Simple Interest Program :

main.c

```c
#include <stdio.h>

 int main()
{

float p,r,t ;
float SI ;
float SItotal;
printf("principal value:");
scanf("%f",&p);
printf("rate of interest");
scanf("%f",&r);
printf("time of interest");
scanf("%f",&t);
SI=p*r*t;
SItotal=SI/100;
printf("\n Simple intrest for amount %.2f , rate of interest %.2f and time %.2f years : %.3f ",p,r,t,SItotal);

return 0;
}

```

>output :

input

```
principal value:400
rate of interest2
time of interest1

 Simple intrest for amount 400.00 , rate of interest 2.00 and time 1.00 years : 8.000

...Program finished with exit code 0
```

~~AREA OF CIRCLE :

main.c

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

{

float pi=3.14 ;
float r,A;
printf("radius of circle:");
scanf("%f",&r);
A=pi*r*r;
printf("area of circle with radius %.2f is %.4f \n", r, A);

return 0;
}

```

>output :

input

```
radius of circle:2
area of circle with radius 2.00 is 12.5600


...Program finished with exit code 0
Press ENTER to exit console.
```

~~Temp conversion celcius to farenhite :

main.c

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

float cel , fer ;
printf("enter temp in celcius: ");
scanf ("%f",&cel);

fer= 1.8*cel+32;
printf("temprature in farheniet: %.4f ", fer);

return 0;

}

```

>output:

input

```
enter temp in celcius: -40
temprature in farheniet: -40.0000

...Program finished with exit code 0
Press ENTER to exit console.
```

~~Perimeter and area of circle :

main.c

```c
#include <stdio.h>

int main()
{

float l,b,A,P ;

printf("enter length of rectangle: ");
scanf("%f",&l);
printf("enter breadth of rectangle: ");
scanf("%f",&b);

//perimeter
P=2*(l+b);
printf("perimeter of circle is: %.2f",P);

//area
A=l*b ;
printf("\n area of circle is: %.2f",A);

return 0;
}

```

>output:

```
input
enter length of rectangle: 2
enter breadth of rectangle: 3
perimeter of circle is: 10.00
 area of circle is: 6.00

...Program finished with exit code 0
Press ENTER to exit console.
```

~~ SWAPING TWO NO. USING THIRD NO.

main.c

```c
#include <stdio.h>

int main()
{

int a , b , c ;
printf("enter first no (a):  ");
scanf("%d",&a);
printf("enter sec no (b): ");
scanf("%d",&b);

printf("Before no. are: %d %d ", a,b);
c=a;
a=b;
b=c;
printf("\nAfter swapping no are:  %d %d ", a,b);

return 0;
}

```

>OUTPUT:

```
input
enter first no (a):  34
enter sec no (b): 45
Before no. are: 34 45
After swapping no are:  45 34

...Program finished with exit code 0
Press ENTER to exit console.
```

~~swaping two no. without using third variable :

main.c

```c
#include <stdio.h>

int main()
{

int a , b ;
printf("enter first no (a):  ");
scanf("%d",&a);
printf("enter sec no (b): ");
scanf("%d",&b);

printf("Before no. are: %d %d ", a,b);

a=a+b;
b=a-b;
a=a-b;

/*

or we can use >>

a=a*b
b=a/b
a=a/b

*/

printf("\nAfter swapping no are:  %d %d ", a,b);

return 0;
}

```

>output :

~~ To Figure out no. is odd or even :

main.c

```c
#include <stdio.h>

int main()
{

int a ;
printf("enter the no. :");
scanf("%d",&a);

if (a%2==0)
{ printf("%d is even no.",a); }

else
{ printf("%d is odd no.",a); }

return 0;

}

```

>output :

```
input
enter the no. :32
32 is even no.

...Program finished with exit code 0
Press ENTER to exit console.
```

```
input
enter the no. :57
57 is odd no.

...Program finished with exit code 0
Press ENTER to exit console.
```

~~ To Find Out Greater No. BW Two No. :

main.c

```c
#include <stdio.h>

int main()
{
int a ,b ;
printf("enter the first no. :");
scanf("%d",&a);
printf("enter the sec no. :");
scanf("%d",&b);

if (a>b)
{ printf("B/W %d and %d greater no. is %d \n ",a,b,a); }

else
{ printf("B/W %d and %d greater no. is %d \n ",a,b,b); }

return 0;
}
```

>output :

```
input
enter the first no. :45
enter the sec no. :78
B/W 45 and 78 greater no. is 78


...Program finished with exit code 0
Press ENTER to exit console.
```

~~ To Find Out Greater No. BW Three No. :

main.c

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

int a ,b ,c;
printf("enter the first no. :");
scanf("%d",&a);
printf("enter the sec no. :");
scanf("%d",&b);
printf("enter the third no. :");
scanf("%d",&c);

if (a>b)
{
    if (a>c)
      {printf("%d, %d and %d greater no. is %d \n ",a,b,c,a);}
}

if (b>a)
{
    if (b>c)
      {printf("%d, %d and %d greater no. is %d \n ",a,b,c,b);}
}

if (c>a)
{
   if (c>b)
     { printf("%d, %d and %d greater no. is %d \n ",a,b,c,c);}

}

return 0;
}
```

>output :