

PROJECT

CONVERTING CURRENCY DISTANCE AND TIME:

```
#include<stdio.h>
#include<conio.h>
#include<math.h>
#include<string.h>
void main()
{
    char e,h;
    int a,b,f,g;
    clrscr();
    printf("\t\t\t\tC APPLICATION\n");
    do
    {
        printf("\nChoose your converter\n");
        printf("\n-----\n");
        printf("\n1. Currency Converter\n");
        printf("\n2. Distance Converter\n");
        printf("\n3. Time Converter\n");
        printf("\n-----\n");
        printf("\nEnter your choice:\n");
        scanf("%d",&a);
        do
        {
            if(a==1)
            {
                printf("\t\t\t\tCurrency Converter\n");
                printf("\nChoose your currency:\n");
                printf("\n-----");
                printf("\n1. Dollar to INR\n");
                printf("\n2. Euro   to INR\n");
                printf("\n3. Yen   to INR\n");
                printf("\n4. INR   to Dollar\n");
                printf("\n5. INR   to Euro\n");
                printf("\n6. INR   to Yen\n");
                printf("\n-----\n");
                printf("\nEnter your choice:\n");
                scanf("%d",&b);
                if(b==1)
                {
```

```

float c;
double d;
printf("\t\t\t\tDollar to INR\n");
printf("Enter Dollar:\n");
scanf("%f",&c);
d=c*82.4305;
printf("Dollar %f := %0.4fRs in INR.\n",c,d);
}
else if(b==2)
{
float k;
double j;
printf("\t\t\t\tEuro to INR\n");
printf("Enter Euro:\n");
scanf("%f",&k);
j=k*88.6529;
printf("Euro %f := %0.4fRs in INR.\n",k,j);
}
else if(b==3)
{
float l;
double o;
printf("\t\t\t\tYen to INR\n");
printf("Enter Yen:\n");
scanf("%f",&l);
o=l*0.5918;
printf("Yen %f := %0.4fRs in INR.\n",l,o);
}
else if(b==4)
{
float inr;
double dollar;
printf("\t\t\t\tINR to Dollar\n");
printf("Enter INR:\n");
scanf("%f",&inr);
dollar=inr*0.0121;
printf("INR %fRs := %0.4f dollars.\n",inr,dollar);
}
else if(b==5)
{
float inr;
double euro;
printf("\t\t\t\tINR to Euro\n");
printf("Enter INR:\n");

```

```

scanf("%f",&inr);
euro=inr*0.0113;
printf("INR %fRs := %0.4f euro.\n",inr,euro);
}
else if(b==6)
{
float inr;
double yen;
printf("\t\t\t\t\tINR to Yen\n");
printf("Enter INR:\n");
scanf("%f",&inr);
yen=inr*1.6898;
printf("INR %fRs := %0.4f yen.\n",inr,yen);
}
}
else if(a==2)
{
int u;
printf("\t\t\t\t\tDistance Converter\n");
printf("\n-----\n");
printf("\n1.Meter to Km\n");
printf("\n2.Miles to Km\n");
printf("\n3.Km to Meter\n");
printf("\n4.Km to Miles\n");
printf("\n5.Feet to Inches\n");
printf("\n6.Inches to Feet\n");
printf("\n7.CM to MM\n");
printf("\n8.MM to CM\n");
printf("\n-----\n");
printf("\n Enter your choice:\n");
scanf("%d",&u);
if(u==1)
{
float m;
double km;
printf("\t\t\t\t\tMeter to Kilometer\n");
printf("\nEnter meter:\n");
scanf("%f",&m);
km=m/1000.00;
printf("Meter %f := %0.3f kilometer.\n",m,km);
}
else if(u==2)
{
float n;

```

```

double s;
printf("\t\t\t\tMiles to Kilometer\n");
printf("Enter miles:\n");
scanf("%f",&n);
s=n*1.6;
printf("miles %f := %0.6f kilometer\n",n,s);
}
else if(u==3)
{
float w;
double z;
printf("\t\t\t\tKilometer to Meter\n");
printf("Enter kilometer:\n");
scanf("%f",&w);
z=w*1000;
printf("kilometer %f := %2f meter\n",w,z);
}
else if(u==4)
{
float q;
double x;
printf("\t\t\t\tKilometer to Miles\n");
printf("Enter Kilometer:\n");
scanf("%f",&q);
x=q/1.6;
printf("kilometer %f := %0.2f miles\n",q,x);
}
else if(u==5)
{
float feet;
double inches;
printf("\t\t\t\tFeet to Inches\n");
printf("Enter feet:\n");
scanf("%f",&feet);
inches=feet*12;
printf("feet %f := %0.2f inches\n",feet,inches);
}
else if(u==6)
{
float inches;
double feet;
printf("\t\t\t\tInches to Feet\n");
printf("Enter inches:\n");
scanf("%f",&inches);

```

```

    feet=inches/12;
    printf("inches %f := %0.2f feet\n",inches,feet);
}
else if(u==7)
{
    float cm;
    double mm;
    printf("\t\t\t\tCM to MM\n");
    printf("Enter cm:\n");
    scanf("%f",&cm);
    mm=cm*10;
    printf("cm %f := %0.2f mm\n",cm,mm);
}
else if(u==8)
{
    float mm;
    double cm;
    printf("\t\t\t\tMM to CM\n");
    printf("Enter mm:\n");
    scanf("%f",&mm);
    cm=mm/10;
    printf("mm %f := %0.2f cm\n",mm,cm);
}
}
else if(a==3)
{
    int t;
    printf("\t\t\t\tTime Converter\n");
    printf("\n-----\n");
    printf("\n1. hours   to minutes\n");
    printf("\n2. hours   to seconds\n");
    printf("\n3. minutes to hours\n");
    printf("\n4. minutes to seconds\n");
    printf("\n5. seconds to hours\n");
    printf("\n6. seconds to minutes\n");
    printf("\n-----\n");
    printf("\nEnter your choice:\n");
    scanf("%d",&t);
    if(t==1)
    {
        float hrs;
        double min;
        printf("\t\t\t\tHours to Minutes\n");
        printf("Enter hours:\n");

```

```

scanf("%f",&hrs);
min=hrs*60;
printf("hours %0.2f := %0.2f minutes.\n",hrs,min);
}
else if(t==2)
{
float hrs;
double sec;
printf("\t\t\t\tHours to Seconds\n");
printf("Enter hours:\n");
scanf("%f",&hrs);
sec=hrs*60*60;
printf("hours %0.2f := %0.2f seconds.\n",hrs,sec);
}
else if(t==3)
{
float min;
double hrs;
printf("\t\t\t\tMinutes to Hours\n");
printf("Enter minutes:\n");
scanf("%f",&min);
hrs=min/60;
printf("minutes %0.2f := %0.2f hours.\n",min,hrs);
}
else if(t==4)
{
float min;
double sec;
printf("\t\t\t\tMinutes to Seconds\n");
printf("Enter minutes:\n");
scanf("%f",&min);
sec=min*60;
printf("minutes %0.2f := %0.2f seconds.\n",min,sec);
}
else if(t==5)
{
float sec;
double hrs;
printf("\t\t\t\tSeconds to Hours\n");
printf("Enter seconds:\n");
scanf("%f",&sec);
hrs=sec/(60*60);
printf("seconds %0.2f := %0.2f hours.\n",sec,hrs);
}

```

```

else if(t==6)
{
float sec;
double min;
printf("\t\t\t\tSeconds to Minutes\n");
printf("Enter seconds:\n");
scanf("%f",&sec);
min=sec/60;
printf("seconds %0.2f := %0.2f minutes.\n",sec,min);
}
}
printf("\nDo you want to continue ? \n");
printf("\n-----\n");
printf("\n* YES means enter y\n");
printf("\n* NO means enter n\n");
printf("\n-----\n");
scanf("%d",&f);
scanf("%c",&e);

}
while(e=='y');
if(e=='n')
{
printf("Do you want the main menu ?\n");
printf("\n-----\n");
printf("\n# YES means enter y\n");
printf("\n# NO means enter n\n");
printf("\n-----\n");
scanf("%d",&g);
scanf("%c",&h);
}
}
while(h=='y');
if(h=='n')
{
printf("\n\n\t\t\t\t\tTHANK YOU");
}
}
getch();
}

```

/*OUTPUT:

C APPLICATION

choose your converter

1.Currency Converter

2.Distance Converter

3.Time Converter

Enter your choice:

2

Distance Converter

1.Meter to Km

2.Miles to Km

3.Km to Meter

4.Km to Miles

5.Feet to Inches

6.Inches to Feet

7.CM to MM

8.MM to CM

Enter your choice:

6

Inches to Feet

Enter inches:

16

inches 16.000000 := 1.33 feet

Do you want to continue ?

* YES means enter y

* NO means enter n

n

Do you want the main menu ?

YES means enter y

NO means enter n

n

THANK YOU

*/