```
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
#include<windows.h>

int main()
{
	int a,km,m,cm,i,h,kg,g,mg,min,sec;
	float d,f,thita,rad,pas,bar,atm;
	char ch;

	do
	{

	printf("|_____|\n");
	printf("\n");

	printf("\n a)length\n b)Mass\n c)Temperature \n d)Time\n e)Plane angle\n f)Pressure\n\n
");

	printf("Enter your choice(a/b/c/d):");
	scanf("%c",&ch);

	switch(ch)
	{
		case 'a':
			printf("\n");
			printf("You choese length conversions\n");
			printf("\t\t1)Kilometer to Meter \n");
			printf("\t\t2)Meter to Kilometer \n");
			printf("\t\t3)Meter to Centimeter \n");
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printf("\t\t4)Centimeter to Meter \n\n");

printf("\t\tEnter your choice:");
scanf("%d",&a);

switch(a)
{
        case 1:
                printf("* KILOMETER TO METER CONVERSION *\n");
                printf("Enter length in kilometer:");
                scanf("%d",&km);
                m=km*1000;
                printf("%d km = %d m \n",km,m);
                break;
        case 2:
                printf("* METER TO KILOMETER CONVERSION *\n");
                printf("Enter length in Meters:");
                scanf("%d",&m);
                km=m/1000;
                printf("%d m= %d km \n");
                break;
        case 3:
                printf("* METER TO CENTIMETER CONVERSION *\n");
                printf("Enter length in Meter:");
                scanf("%d",&m);
                cm=m*100;
                printf("%d m = %d cm \n",m,cm);

                break;
        case 4:
                printf("* CENTIMETER TO METER CONVERSION *\n");
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                printf("Enter length in centimeter:");
                scanf("%d",&cm);
                m=cm/100;
                printf("%d cm = %d m \n",cm,m);
                break;
            default:
                printf("Invalid choice.\n");
        }
break;

case 'b':
        printf("\n");
        printf("You choese mass conversions\n");
        printf("\t\t1)Kilogram to Gram \n");
        printf("\t\t2)Gram to Kilogram \n");
        printf("\t\t3)Gram to Miligram \n");
        printf("\t\t4)Miligram to Gram \n\n");

        printf("\t\tEnter your choice:");
        scanf("%d",&a);

        switch(a)
        {
            case 1:
                printf("* KILOGRAM TO GRAM CONVERSION *\n");
                printf("Enter mass in Kilogram:");
                scanf("%d",&kg);
                g=kg*1000;
                printf("%d kg = %d g \n",kg,g);
                break;
            case 2:
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                printf("* GRAM TO KILOGRAM CONVERSION *\n");
                printf("Enter mass in gram:");
                scanf("%d",&g);
                kg=g/1000;
                printf("%d g= %d kg \n",g,kg);
                break;
            case 3:
                printf("* GRAM TO MILIGRAM CONVERSION *\n");
                printf("Enter mass in gram:");
                scanf("%d",&g);
                mg=g*100;
                printf("%d g = %d mg \n",g,mg);

                break;
            case 4:
                printf("* MILIGRAM TO GRAM CONVERSION *\n");
                printf("Enter mass in miligram:");
                scanf("%d",&mg);
                g=mg/100;
                printf("%d mg = %d g \n",mg,g);
                break;
              default:
                printf("Invalid choice.");
        }
break;


        printf("\n");
        printf("You choese Temparture conversions\n");
        printf("\t\t1)degree celcius to Farahnite \n");
        printf("\t\t2)Farahnite to Degree \n\n");
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                printf("\t\tEnter your choice:");
                scanf("%d",&a);

                switch(a)
                {
                        case 1:
                                printf("* DEGREE CELCIUS TO FARANHITE CONVERSION
*\n");
                                printf("Enter temperature in Degree:");
                                scanf("%f",&d);
                           f=(d*9/5)+32;
                                printf("%f 'C  = %f f \n",d,f);
                                break;
                        case 2:
                                printf("* FARANHITE TO DEGREE CELCIUS CONVERSION
*\n");
                                printf("Enter temperature in Faranhite:");
                                scanf("%f",&f);
                           d=((f-32)*5)/9;
                                printf("%f f = %f 'C \n",f,d);
                                break;

                        default:
                                printf("Invalid choice.\n");
                }
        break;
                case 'd':
                printf("\n");
                printf("You choese time conversions\n");
                printf("\t\t1)Hour to Minute \n");
                printf("\t\t2)Minute to hour \n");
```

```
printf("\t\t3)Minute to Second \n");
printf("\t\t4)Second to Minute \n");

printf("Enter your choice:");
scanf("%d",&a);

switch(a)
{
        case 1:
                printf("* HOUR TO MINUTE CONVERSION *\n");
                printf("Enter Time in hour:");
                scanf("%d",&h);
                min=h*60;
                printf("%d hours = %d minutes \n",h,min);
                break;
        case 2:
                printf("* MINUTE TO HOUR CONVERSION *\n");
                printf("Enter time in minute:");
                scanf("%d",&min);
                h=min/60;
                printf("%d min = %d hour \n",min,h);
                break;
        case 3:
                printf("* MINUTE TO SECOND CONVERSION *\n");
                printf("Enter time in minute:");
                scanf("%d",&min);
                sec=min*60;
                printf("%d min = %d sec \n",min,sec);

                break;
        case 4:
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                printf("* SECOND TO MINUTE CONVERSION *\n");
                printf("Enter time in second:");
                scanf("%d",&sec);
                min=sec/60;
                printf("%d s = %d min \n",sec,min);
                break;
        default:
                printf("Invalid choice.\n");
    }
break;
    case 'e':
    printf("\n");
    printf("You choese plane angle conversions\n");
    printf("\t\t1)Degree to Radian \n");
    printf("\t\t2)Radian to Degree \n\n");

    printf("\t\tEnter your choice:");
    scanf("%d",&a);

    switch(a)
    {
        case 1:
                printf("* DEGREE TO RADIAN CONVERSION *\n");
                printf("Enter Angle in degrees:");
                scanf("%f",&thita);
           rad= (thita*3.14)/180;
                printf("%f ' = %f rad \n",thita,rad);
                break;
        case 2:
                printf("* RADIAN TO DEGREE CONVERSION *\n");
                printf("Enter Angle in radian:");
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                scanf("%f",&rad);
                thita= (rad*180)/3.14;
                printf("%f rad = %f ' \n",rad,thita);
                break;

            default:
                printf("Invalid choice.\n");
        }
break;


        printf("\n");
        printf("You choese pressure conversions\n");
        printf("\t\t1)Pascal to bar \n");
        printf("\t\t2)Bar to pascal \n");
        printf("\t\t3)Atmosphere to bar \n");
        printf("\t\t4)Bar to atmosphere \n");
        printf("\t\t5)Atmosphere to pascal \n");
        printf("\t\t5)Pascal to atmosphere \n");

        printf("Enter your choice:");
        scanf("%d",&a);

        switch(a)
        {
            case 1:
                printf("* PASCAL TO BAR CONVERSION *\n");
                printf("Enter Peressure in pascal:");
                scanf("%f",&pas);
                bar=pas*0.00001;
                printf("%f pascal = %f bar \n",pas,bar);
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```
            break;
case 2:
            printf("* BAR TO PASCAL CONVERSION *\n");
            printf("Enter pressure in bar:");
            scanf("%f",&bar);
            pas=bar*100000;
            printf("%f bar = %f pascal \n",bar,pas);
            break;
case 3:
            printf("* ATMOSPHERE TO BAR CONVERSION *\n");
            printf("Enter Pressure in atmosphere:");
            scanf("%f",&atm);
            bar=atm*1.013;
            printf("%f atm = %f bar \n",atm,bar);

            break;
case 4:
            printf("* BAR TO ATMOSPHERE CONVERSION *\n");
            printf("Enter Pressure in bar:");
            scanf("%f",&bar);
            bar=atm*0.987;
            printf("%f bar = %f atm \n",bar,atm);
            break;
case 5:
            printf("* ATMOSPHERE TO PASCAL CONVERSION *\n");
            printf("Enter Pressure in atmosphere:");
            scanf("%f",&atm);
            pas=atm*101325;
            printf("%f atm = %f pascal \n",atm,pas);

            break;
case 6:
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                                        printf("* PASCAL TO ATMOSPHERE CONVERSION *\n");
                                        printf("Enter Pressure in pascal:");
                                        scanf("%f",&pas);
                                        atm=pas*9.869*0.000001;
                                        printf("%f pas = %f atm \n",pas,atm);
                                        break;

                                        default:
                                        printf("Invalid choice.\n");
                                }
                        break;

                                default:
                                printf("invalid choice\n");
 }


        printf("\n \n are you want to conitue? 1)YES 2)NO :");
        scanf("%d",&i);
        }while(i==1);
        return 0;
}
```