#include<iostream.h>

#include<conio.h>

void binary(int n) //Binary function Defination

{

int b;

cout<<"\n Binary-equvalent of "<<n<<" is : ";

while(n>0)

{

b=n%2;

cout<<b<<"\b\b";

n/=2;

}

}

void octal(int n) //Octal function Defination

{

int o;

cout<<"\n Octal-equvalent of "<<n<<" is \t\t\t: ";

while(n>0)

{

o=n%8;

cout<<o<<"\b\b";

n/=8;

}

}

void hexa(int n) //Hexa-Decimal function Defination

{

int h;

cout<<"\n Hexa Decimal-equvalent of "<<n<<" is \t\t\t: ";

while(n>0)

{

h=n%16;

if(h<=9)

cout<<h<<"\b\b";

else

{

switch(h)

{

case 10:cout<<"A \b\b";

break;

case 11:cout<<"B \b\b";

break;

case 12:cout<<"C \b\b";

break;

case 13:cout<<"D \b\b";

break;

case 14:cout<<"E \b\b";

break;

case 15:cout<<"F \b\b";

break;

}

}

n/=16;

}

}

void main()

{

clrscr();

void binary(int n);

void octal(int n); //Function Prototype Declaration

void hexa(int n);

int choice,n;

cout<<"\n Press 1 to convert a Decimal No. to Binary Digit.";

cout<<"\n Press 2 to convert a Decimal No. to Octal No.";

cout<<"\n Press 3 to convert a Decimal No. to Hexa-Decimal No.";

cout<<"\n Enter your choice: ";

cin>>choice;

switch(choice)

{

case 1:cout<<"\n Enter a Decimal No: ";

cin>>n;

binary(n); //Call of Binary Function

break;

case 2:cout<<"\n Enter a Decimal No: ";

cin>>n;

octal(n); //Call of Octal Function

break;

case 3:cout<<"\n Enter a Decimal No: ";

cin>>n;

hexa(n); //Call of Hexa-Decimal Function

break;

default:cout<<"\n You have Entered a wrong choice.";

break;

}

getch();