```
}
      c=a+b;
       cout<<c;

     primechk(c);
       a=b;
       b=c;

  }
       }
       int main()
       {
          int n;
          cout<<"enter the number for required fibo terms";
          cin>>n;
          cout<<"\nfibonacci series\n;
         #include<iostream>
#include<stdlib.h>
using namespace std;
void primechk(int a)
{int j;
if(a==0||a==1)
{cout<<"neither prime nor composite";
else
{
   for(j=2;j<a;j++);
   {   if(a%j==0)
   {cout<<"\ncomposite";
   break;
}
```

```
            return 0;
            }

        c=a+b;
         cout<<c;

       primechk(c);
         a=b;
         b=c;

  }
         }
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   {   if(a%j==0)
   {cout<<"\ncomposite";
   break;
```

```
}

        return 0;
        }


if(a==j)
cout<<"\nprime";
}
}
void fibo(int n)
{int a=-1,b=1,c=0;
for(int i=1;i<=n;i++;
{
      cout<<endl;
 fibo(n);
        #include<iostream>
#include<cmath>
using namespace std;
int main()
{
   int dec,d,i,temp,ch;
   long int bin;
   do
   {
    dec=bin=d=i=0;
    cout<<"\n\n\t\tmenu\n1.decimal to binary numbers\n2.binary to decimal numbers\n3.exit\n";
    cout<<"enter your choice(1/2/3)";
    cin>>ch;
    switch(ch)
    {
```

```
case 1: cout<<"enter decimal number";cin>>dec;
temp=dec;
while(dec!=0)
{
d=dec%2;
bin+=d*pow(10,i)
dec/=2;
i++;
}
cout<<temp<<"in decimal="<<bin<<"in binary"<<endl;break;
case 2: cout<<"enter binary number";cin>>bin;
temp=bin;
while(bin!=0)
[
d=bin%10;
dec+=d*pow(2,i);
bin/=10;
i++;
}
cout<<temp<<"in binary="<<dec<<"in decimal"<<endl;
break;
case 3:break;
default:cout<<"invalid choice";
}
}while(ch!=3);
return 0;
}

#include<iostream>
using namespace std;
int main()
```

```
{
   int n,num,digit,rev=0;
   cout<<"enter a positive number";
   cin>>num;
   n=num;
   while(num)
   {
         digit=num%10;
         rev=(rev*10)+digit;
         num=num/10;
         }
         cout<<"the reverse of the number is"<<rev<<endl;
         if(n==rev)
         cout<<"the number is a palindrom";
         else
         cout<<"the number is not a palindrom":
               return 0;
               }
         v#include<iostream>
using namespace std;
int main()
{
   float percent;
   int x;
   cout<<"enter your percentage";
   cin>>percent;
   cout<<"you scored"<<percent<<"%"<<endl;
   x=percent/10;
   switch(x)
   {
        case 10:
```

```
            case 9:
               case 8:
                  cout<<"you have passed with distinction";
                  break;
                  case 7:
                     case 6:
                        cout<<"you have passed with first division";
                        break;
                        case 5:
                           cout<<"you have passed with second division";
                           break;
                           case 4:
                              cout<<"you have passed with third division";
                              break;
                              default:
                                    cout<<"sorry:you have failed";
                                    }
                                    return 0;
                                    }
                           a#include<iostream>
using namespace std;
int main()
{
   float basic,gross,hra,da;
   cout<<"enter basic salary of an employee";
   cin>>basic;
   if(basic<25000)
   {
            da=basic*80/100;
            hra=basic*20/100;
            }
```

```
else if(basic>=25000 && basic<40000)
{
                    da=basic*90/100;
                    hra=basic*25/100;
                    }
                    else if (bsic>=40000)
                    {
                        da=basic*95/100;
                        hra=basic*30/100;
                        }
                        gross=basic+da+hra;
                        cout<<"\tbasic pay........"<<basic<<endl;
                        cout<<"\tdearness allowance...."<<da<<endl;
                        cout<<"\thouse rent allowance..."<<hra<<endl;
                        cout<<"\t............."<<endl;
                        cout<<"\tgross salary......"<<gross<<endl;
                        cout<<"\t........"<<endl;
                        return 0;
                        }
```