//HCF 2 4 =2 []

2 6==2[]

Hcf 4 6 ==2

12 6 14 7

int a,b,i ,t,hcf=1;

a=4 b=6// 6 4 HCF=1

for(i=b/2;i>=1;i--){

If(a%i==0&b%i==0)

12 34

hcf=i//1 2

} 34 12

HCF 28 6

2🡺 12 34 🡺28 16 64 16 7 5

6

for(i=b/2;i>=1;i--)

If(34%i==0&&12%i==0)

HCF=2

break;

a=4; //6 5 12

b=6; //12 6 34

if(a<b)

{

t=a;//12

a=b;//34

b=t;//12

}

if(a%b==0) //34%12

out.print("HCF="+b);//6

else{

for(i=b/2;i>=1;i--) //6

{ // 34%6 5 4 3 2 12%6 2

if(a%i==0&&b%i==0)

{ hcf=i; //2

break;

}

}

Sopln(“HCF=”+hcf);//2

}

// 6 4 // 12 9 // 5 3

{

int m,n,temp,reminder;

a=6,b=4; 6 4 🡺12 9 5 8

while(true)

{

reminder=a%b; 6%4=2 4%2

if(reminder==0)

{

out.print("hcf=%d",b);//1

break;

}

else

{

a=b; 4

b=reminder;//2

}

}

}

Or

HCF a= 6 b= 4

0

b(8)

a(5)

0

1

a =8

r=5

5

1

4 a=b;4

5

3

2 b=r2

3

2

//LCM 2 4//4

// 9 12//36

//declare and initialize- print array using function

{ int a,b,i ,t;

a=14; //[ 5 7] [ 12 36] [14 58]

b=58;

if(a<b)

{

t=a;

a=b;

b=t;

}

if(a%b==0) 58%14🡺f

printf("LCM=%d",a);//36

else{

for(i=2;i<=b;i++) //

{ t=a\*i; // 58\*2==116 58\*3=174 58\*4=232 58\*5=290 58\*6=348 58\*7=406

if(t%b==0) 116 %14 174%14 232%14 290%14 348%14 406%14

{

break;

}

}

out.print(t);//406

}

}

Q.Accept a number from user and print its binary in reverse order eg. Input 4[100] out put 001

while(no!=0) 2!=0 1!=0

r=No%2🡺 o.p(r)0 0 1

no=no/2 4/2==2 2/2 1/2

0

1

2

2

1

2

2

2

4

0

2

4

0

0

1

int no, r; 🡺3

no=4

while(no!=0)//4 2 1 0

{

r=no%2; //0 //0 1

printf(“%d”,r); //0 0 1

no=no/2; //4/2 2/2 1/2

}

}

Q.Accept a number from user and print its binary eg. Input 4 out put 100

4/2 r==0 2/2 r==0 ½ r==1

|  |  |  |  |
| --- | --- | --- | --- |
| 0 | 1 | 2j | 3j |

int no, r,j, arr[8];

|  |  |  |  |
| --- | --- | --- | --- |
| 0 | 0 | 1 |  |

j=0;

while(no!=0)//4 2 1 0

{

r=no%2; //0

arr

arr[j++]=r;

no=no/2;

}

for(i=j-1;i>=0;i--)

printf(“%d”,arr[i]);//1 0 0

getche();

return 0;

}