//HCF 2 4 =2 []

2 6==2[]

Hcf 4 6 ==2

12 6 14 7

//declare and initialize- print array using function

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

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

b=6; //12 6

if(a<b)

{

t=a;//4

a=b;//6

b=t;//4

}

if(a%b==0) //12%6 6%5

out.print("HCF=",b);

else{

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

{ // 12%2 9%2 12%3 9%3 12%4 9%4 5%2 6%2

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

{ hcf=i; //3

break;

}

}

printf("%d",hcf);//3

}

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

{

int m,n,temp,reminder;

a=6,b=4;

while(true)

{

reminder=a%b; 5%3 =2 3%2 2%1

if(reminder==0)

{

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

break;

}

else

{

a=b; 2

b=reminder;//1

}

}

}

Or

HCF a= 6 b= 4

1

b(3)

a(5)

3

1

a =3

r=2

2

2

a=b;

2

1

b=r

2

0

//LCM 2 4//4

// 9 12//36

//declare and initialize- print array using function

{ int a,b,i ,t;

a=6; //[ 5 7] [ 12 36] [14 58]

b=21;

if(a<b)

{

t=a;

a=b;

b=t;

}

if(a%b==0) 58%14🡺f

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

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);//24

}

}

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

while(no!=0)

R=No%2🡺 o.p(r)

No=no/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;

}