ASSIGMENT-7

1 #include <stdio.h>

int main()

{

int i,n,a=-1,b=1,c;

printf("Enter a number ");

scanf("%d",&n);

for(i=1;i<=n;i++)

{

c=a+b;

a=b;

b=c;

c=a+b;

}

printf("%d ",c);

return 0;

}

2#include <stdio.h>

int main()

{

int i,n,a=-1,b=1,c;

printf("Enter a number ");

scanf("%d",&n);

for(i=1;i<=n;i++)

{

c=a+b;

printf("%d",c);

a=b;

b=c;

c=a+b;

}

printf("%d ",c);

return 0;

}

3 #include <stdio.h>

int main()

{

int i,n,a=-1,b=1,c;

printf("Enter a number ");

scanf("%d",&n);

for(i=1;1;i++)

{

c=a+b;

a=b;

b=c;

c=a+b;

if (c==n)

{

printf("%d is finnobolic series",n);

break;

}

if(c>n)

{

printf("%d is not in afnibbolic series",n);

break;

}

}

return 0;

}

4 #include <stdio.h>

int main()

{

int a,b,h;

printf("enter two number");

scanf("%d%d",&a,&b);

for(h=a<b?a:b;h>=1;h--)

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

break;

printf(" HCF is %d",h);

return 0;

}

5 #include <stdio.h>

int main()

{

int a,b,h;

printf("enter two number");

scanf("%d%d",&a,&b);

for(h=a<b?a:b;h>=1;h--)

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

break;

if (h==1)

printf ("%d and %d are CO-PRIME NUMBERS.",a,b);

else

printf ("%d and %d are Not CO-PRIME NUMBERS.",a,b);

return 0;

}

6 #include <stdio.h>

int main()

{

int i,n,a=0;

for(n=1;n<=100;n++)

{

a=0;

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

{

if (n%i==0)

a=1;

}

if(a==0)

printf("\n%d",n);

}

return 0;

}

7 #include <stdio.h>

int main()

{

int i,y,x,n,a=0;

printf("enter two number");

scanf("%d%d",&x,&y);

for(n=x;n<=y;n++)

{

a=0;

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

{

if (n%i==0)

a=1;

}

if(a==0)

printf("%d ",n);

}

return 0;

}

8 #include <stdio.h>

int main()

{

int i,x,n,a=0;

printf("enter number");

scanf("%d",&x);

for(n=x;1;n++)

{

a=0;

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

{

if (n%i==0)

a=1;

}

if(a==0)

{

printf("%d ",n);

break;

}

}

return 0;

}

9 #include<stdio.h>

int main()

{

int n,r,sum=0,temp;

printf("enter the number=");

scanf("%d",&n);

temp=n;

while(n>0)

{

r=n%10;

sum=sum+(r\*r\*r);

n=n/10;

}

if(temp==sum)

printf("armstrong number ");

else

printf("not armstrong number");

return 0;

}

10 #include<stdio.h>

int main()

{

int n,r,x,s;

for (n=1;n<=1000;n++)

{

s=0;

x=n;

while(x!=0)

{

r=x%10;

s=s+(r\*r\*r);

x=x/10;

}

if(s==n)

printf(" \n%d ",n);

}

return 0;

}