**1. To find if a no is even or odd using goto**

#include<stdio.h>

#include<stdlib.h>

main()

{

int n;

printf("enter a no");

scanf("%d",&n);

if(n%2==0)

goto even;

else

goto odd;

even: printf("even no");exit(0);

odd:printf("odd");

}

o/p: enter a no:9

Odd

**2.To print the nos from 1 to 20 using goto without any loops**

#include<stdio.h>

#include<stdlib.h>

main()

{

int a=1;

test:

{

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

a++;

}

if(a<=20)

goto test;

}

o/p:1

2 …….20

**3.To find lucky no**

main()

{

int r,n,sum=0;

printf("\n enter n value");

scanf("%d",&n);

test: while(n>0)

{

r=n%10;

sum=sum+r;

n=n/10;

}

if(sum<10) printf("\n lucky no:%d",sum);

else

{

n=sum;

sum=0;

goto test;

}

}

o/p:84(8+4=12=1+2=3)

3

**4.To print tables from 1 to 20 till 10th value**

#include<stdio.h>

#include<stdlib.h>

main()

{

int j,i;

for(i=1;i<10;i++)

{

for(j=1;j<20;j++)

{

printf("%d \*%d =%d",i,j,i\*j);

}

printf("\n \n");

}

}

**5.To print tables from 1 to n till mth value**

#include<stdio.h>

#include<stdlib.h>

main()

{

int j,i,m,n

printf(“enter till what tables u want’’);

scanf(“ %d“‘,&n);

printf(“enter till what values u want’’);

scanf(“ %d“‘,&m);

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

{

for(j=1;j<m;j++)

{

printf("%d \*%d =%d",i,j,i\*j);

}

printf("\n \n");

}

}

**6.To print 12345**

**12345**

**12345**

# include<stdio.h>

main()

{

int r,c;

for (r=1;r<=3;r++)

{

for (c=1;c<=5;c++)

{

printf("%d",c);

}

printf("\n");

}

}

**6.To print 54321**

**54321**

**54321**

# include<stdio.h>

main()

{

int r,c;

for (r=1;r<=3;r++)

{

for (c=5;c>=1;c--)

{

printf("%d",c);

}

printf("\n");

}

}

**7.To print 1**

**1 2**

**1 2 3**

**1 2 3 4**

**1 2 3 4 5**

# include<stdio.h>

main()

{

int r,c;

for (r=1;r<=5;r++)

{

for (c=1;c<=r;c++)

{

printf("%d",c);

}

printf("\n");

}

}

**8.To print 1**

**22**

**333**

**4444**

**55555**

# include<stdio.h>

main()

{

int r,c;

for (r=1;r<=5;r++)

{

for (c=1;c<=r;c++)

{

printf("%d",r);

}

printf("\n");

}

}

**9.To print**

**\***

**\*\***

**\*\*\***

**\*\*\*\***

**\*\*\*\*\***

# include<stdio.h>

main()

{

int r,c;

for (r=1;r<=5;r++)

{

for (c=1;c<=r;c++)

{

printf("\*");

}

printf("\n");

}

}

**HW:1.To print 2. a**

**1 2 3 4 5 ab**

**1234 abc**

**123 abcd**

**12 abcde**

**1**

**10.To print prime nos within a range**

# include<stdio.h>

#include<stdlib.h>

main()

{

int i,j,n,count,k;

printf("ENTER TILL WHCIH NO U WANT PRIME");

scanf("%d",&n);

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

{

count=0;

for (j=i,k=1;k<=j;k++)

{

if(j%k==0) count++;

}

if(count==2) printf("%d",j);

}

}

**<data type>array name<size>;**

**1.TO SEARCH FOR ELE**

# include<stdio.h>

#include<stdlib.h>

main()

{

int a[10],i,ele,n;

printf("\n array elements:");

for(i=0;i<5;i++)

{

scanf("%d",&a[i]);

}

printf("enter ele to search");

scanf("%d",&ele);

for(i=0;i<5;i++)

{

if(ele==a[i]){ printf( "found");return 0;}

}

printf("not found");

**}**