ASIGMENT-6

1 #include <stdio.h>

int main()

{

int i,n,sum=0;

printf("enter number to add");

scanf("%d",&n);

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

sum=sum+i;

printf("%d", sum);

return 0;

}

2 #include <stdio.h>

int main()

{

int i,n,sum=0;

printf("enter number to add");

scanf("%d",&n);

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

sum=sum+2\*i;

printf("%d", sum);

return 0;

}

3 #include <stdio.h>

int main()

{

int i,n,sum=0;

printf("enter number to add");

scanf("%d",&n);

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

sum=sum+2\*i-1;

printf("%d", sum);

return 0;

}

4 #include <stdio.h>

int main()

{

int i,n,sum=0;

printf("enter number to add of squre ");

scanf("%d",&n);

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

sum=sum+i\*i;

printf("%d", sum);

return 0;

}

5 #include <stdio.h>

int main()

{

int i,n,sum=0;

printf("enter number to add of squre ");

scanf("%d",&n);

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

sum=sum+i\*i\*i;

printf("%d", sum);

return 0;

}

6 #include <stdio.h>

int main()

{

int i,n,fact=1;

printf("enter number to calculate ");

scanf("%d",&n);

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

fact=fact\*i;

printf("%d",fact );

return 0;

}

7 #include <stdio.h>

int main()

{

int n,count=0;

printf("enter number to calculate ");

scanf("%d",&n);

while (n!=0)

{

n=n/10;

count++;

}

printf("%d",count );

return 0;

}

8 #include <stdio.h>

int main()

{

int n,i;

printf("enter a number ");

scanf("%d",&n);

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

if(n%i==0)

break;

if(i==n)

printf("%d is a prime number",n );

else

printf("%d is not a prime number ",n);

return 0;

}

9 #include <stdio.h>

int main()

{

int a,b,l;

printf("enter two number ");

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

for(l=a>b?a:b;l<=a\*b;l=l+(a>b?a:b))

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

break;

printf("lcm is %d",l );

return 0;

}

10 #include <stdio.h>

int main()

{

int x,y=0,r;

printf("enter a number ");

scanf("%d",&x);

while (x!=0)

{

r=x%10;

y=y\*10+r;

x=x/10;

}

printf ("revers is %d",y);

return 0;

}