ASSIGMENT-10

1 #include<stdio.h>

float calarea (float r);

int main()

{

float area, radius;

printf("enter your radius");

scanf ("%f",&radius);

area=calarea(radius);

printf("area is %f",area);

return 0;

}

float calarea (float radius)

{

return (3.14\*radius\*radius);

}

2 #include<stdio.h>

float intrest (float , float , float );

int main()

{

float P,R,T,result;

printf("enter your P,R,T");

scanf ("%f%f%f",&P,&R,&T);

result=intrest (P,R,T);

printf("intrest is %f", result);

return 0;

}

float intrest (float P , float R, float T )

{

return ((P\*R\*T)/100);

}

3 #include<stdio.h>

int evenodd (int );

int main()

{

int x,result;

printf("enter your number");

scanf ("%d",&x);

result=evenodd (x);

printf("%d",result);

}

int evenodd (int x )

{

if (x%2==0)

return 1;

else

return 0;

}

4#include<stdio.h>

void printn(int n )

{

int i;

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

printf("%d",i);

}

int main()

{

int n;

printf("enter your number");

scanf ("%d",&n);

printn (n);

return 0;

}

5#include<stdio.h>

void printn(int n )

{

int i;

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

printf("%d",(2\*i)-1);

}

int main()

{

int n;

printf("enter your number");

scanf ("%d",&n);

printn (n);

return 0;

}

6 #include<stdio.h>

int fact (int n )

{

int i,f=1;

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

f=f\*i;

return (f);

}

int main()

{

int n;

printf("enter your number");

scanf ("%d",&n);

n= fact (n);

printf (" fact is %d",n);

return 0;

}

7 #include<stdio.h>

int fact(int n)

{

int i,fact=1;

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

fact=(fact\*i);

return fact;

}

int comb (int n,int r )

{

return fact (n)/(fact (r)\*fact (n-r));

}

int main()

{

int n,r,c;

printf("enter your n ,r");

scanf("%d%d",&n,&r);

c=comb (n,r);

printf ("%d",c);

return 0;

}

8 #include<stdio.h>

int fact(int n)

{

int i,fact=1;

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

fact=(fact\*i);

return fact;

}

int perm (int n,int r )

{

return fact (n)/(fact (r));

}

int main()

{

int n,r,c;

printf("enter your n ,r");

scanf("%d%d",&n,&r);

c=perm (n,r);

printf ("%d",c);

return 0;

}

9 #include<stdio.h>

int call(int ,int);

int main()

{

int num,digit,s;

printf("enter your number and digit");

scanf("%d %d",&num,&digit);

s=call(num,digit);

if (s==0)

printf( " occured ");

if (s==1)

printf(" not occured ");

return 0;

}

int call(int num ,int digit)

{

int n,rem;

n=num;

while(num!=0)

{

rem=num%10;

if(rem==digit)

{

return 0;

}

num/=10;

}

return 1;

}

10 #include <stdio.h>

void primefact(int );

int main ()

{

int n;

printf(" enter your number");

scanf("%d",&n);

primefact(n);

return 0;

}

void primefact(int n)

{

int i;

for (i=2;n!=1;i++)

{

while(n%i==0)

{

printf("%d,",i);

n=n/i;

}

}

}