

## Assignment 10 (float) Function

1. `#include<stdio.h>`  
`float area(float);`

`int main()`

`{`

`float a;`

`a = area(7);`

`printf(" Area is %.f ", a);`

`return 0;`

`}`

`float area( float r )`

`{`

`return (3.14 * r * r);`

`}`

2. `#include<stdio.h>`

`float SimpleInt( float p, float r, int t );`

`int main()`

`{`

`float s;`

`s = SimpleInt(100, 25, 7);`

`printf(" Interest is %.f ", s);`

`return 0;`

`}`

float SimpleInt ( float p, float r, float t )

{

return ( p \* r \* t / 100 );

}

3. #include <stdio.h>

int isEven( int );

int main( )

{

int x = isEven( 5 );

printf( "%d", x );

return 0;

}

int isEvent( int m )

{

if ( m % 2 == 0 )

return 1;

else

return 0;

}

4. #include <stdio.h>

void pointN( int );

int main( )

{

int x;

printf( "Enter a number" );

scanf( "%d", &x );

3  
pointN(x);  
return 0;

void pointN(int n)

{

    int i;  
    for (i=1; i<=n; i++)

{

        printf("%d", i);

}

{

5 - #include <stdio.h>

void pointON(int);

int main()

{

    int x;

    printf("Enter a number");

    scanf("%d", &x);

    pointON(x);

    return 0;

{

void pointON(int n)

{

    int i;

    for (i=1; i<=n; i++)

{

        printf("%d ", i\*2-1);

}

6 - #include <stdio.h>  
int fact ( int );

int main( )  
{

    int x, n;  
    printf ("Enter a number");

    scanf ("%d", &n);

    x = fact (n);

    printf ("Factorial is %d", x);

    return 0;

}

int fact ( int m )

{

    int i, s = 1;

    for (i=1; i <= m; i++)

{

        s = i \* s;

}

    return s;

}

7   #include <stdio.h>  
int fact ( int );

int main( )

{

    int n, x, result;

```
7     printf("Enter total Number of things \n");
    scanf("%d", &n);
    printf("Enter things to be selected \n");
    scanf("%d", &r);
```

result = fact(n) / (fact(r) \* fact(n-r));

```
8     printf("Number of combination is %d", result);
     return 0;
```

9 int fact (int n)

```
10    int i, s = 1;
```

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

12 {

13 s = i \* s;

14 }

15 return s;

16

17 #include <stdio.h>

```
18 int fact (int);
```

19 int main ( )

20 {

21 int n, r, result;

```
22     printf("Enter total Number of things \n");
```

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

```
24     printf("Enter things to be selected \n");
```

```

scanf ("%d", &r);
result = fact(n) / fact(n-r);
printf ("Total Number of Arrangements is %d", result);
return 0;
}

```

3

int fact (int n)

```

int i, s = 1;
for (i=1; i<=n; i++)

```

$$s = i * s;$$

3

```
return s;
}

```

3

```

10- #include <stdio.h>
void pfactor (int n);

```

{

```
int main()
{

```

{

```
int n;

```

printf ("Enter a Number \n");

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

```
pfactor (n);

```

```
return 0;
}

```

3

```
void pfactor (int x)
```

{

```
    int i;
```

```
    for (i = 2; x > 1; i++)
```

{

```
        while (x % i == 0)
```

{

```
            printf ("%d", i);
```

```
            x = x / i;
```

{

{

{