11-06-2024

* → ADDRESS

& → Value at ADDRESS

→ main ( )
```
{
    int a = 5, *p;
    p = &a;
    printf ("%d", *p);
}
```

→ main ( )
```
{
    int a = 5, b = 6, c, *p, *q, *r;
    p = &a;
    q = &b;
    r = &c;
    *r = *p + *q;
    printf ("%d", *r);
}
```

O/P :- 11

AREA OF RECTANGLE :-

→ main ( )
{
    float l, b, a, *p, *q, *r;

    p = &l; q = &b; r = &a;

    printf ("enter l, b ");

    scanf ("%f %f", p, q);

    *r = *p * *q;   // *p X *q

    printf ("%f ", *r);
}

* → POINTER

AREA OF CIRCLE :-

→ main ( )
{
    float r, a, *p, *q;

    p = &r; q = &a;

    printf ("enter r ");

    scanf ("%f ", p);

    *q = 3.14 * *p * *p;

    printf ("%f", *q);
}

FACTORIAL:-

→ main ( )
```
{
    int , i, m, f=1, *p, *q;
    p=&f; q=&m;
    printf (" enter m ");
    scanf ("%d ", &q);
    for (i=0; i<*q; i++)

                &p=&q
            *p = *& * i ;
        printf ("%d", *p);

}

            *p = *p * i;
```
F = n + ;

→ main ( )

*P → POINTER 'P'
```
{
    int i, m, f=1, *p, *q;
    p=&f; q=&m;
    printf ("enter m: ");
    scanf ("%d", q);
    for (i=0; i<q; i++)
            *p = *p * i;
        printf ("%d", *p);
}
```

REVERSE A GIVEN NUMBER:-

→ main ( )
{

    int m, n, s = 0, *p, *q ~~v~~;

    ~~print~~ p = &m; q = &n;

    printf (" enter n ");

    scanf ("%d", &q);

    while (*q != 0)
    {

       *p = *q % 10;

       s = s * 10 + *p;

       *q = *q / 10;

    }

    printf ("%d", s);

}

m, n, s = 0

while (n != 0)
{
   m = n % 10;
   ~~m~~ s * 10 + m
   s = ~~m~~

   m = m/10;
}

FUNCTION
Palindrome
Factorial
Reverse