

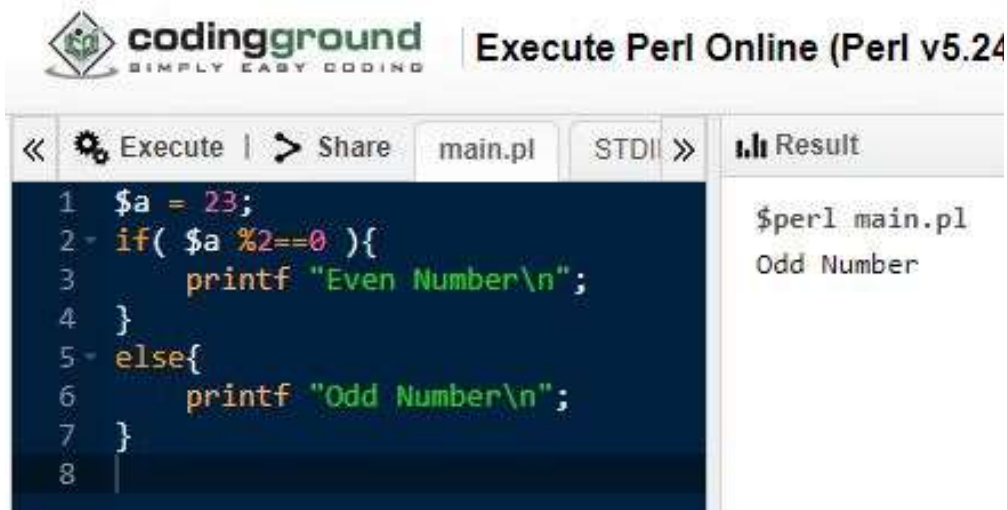
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Dept.: CSE Year : 4th IT lab Assignment 16

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1. Write a program in Perl to check whether a number is even or odd.



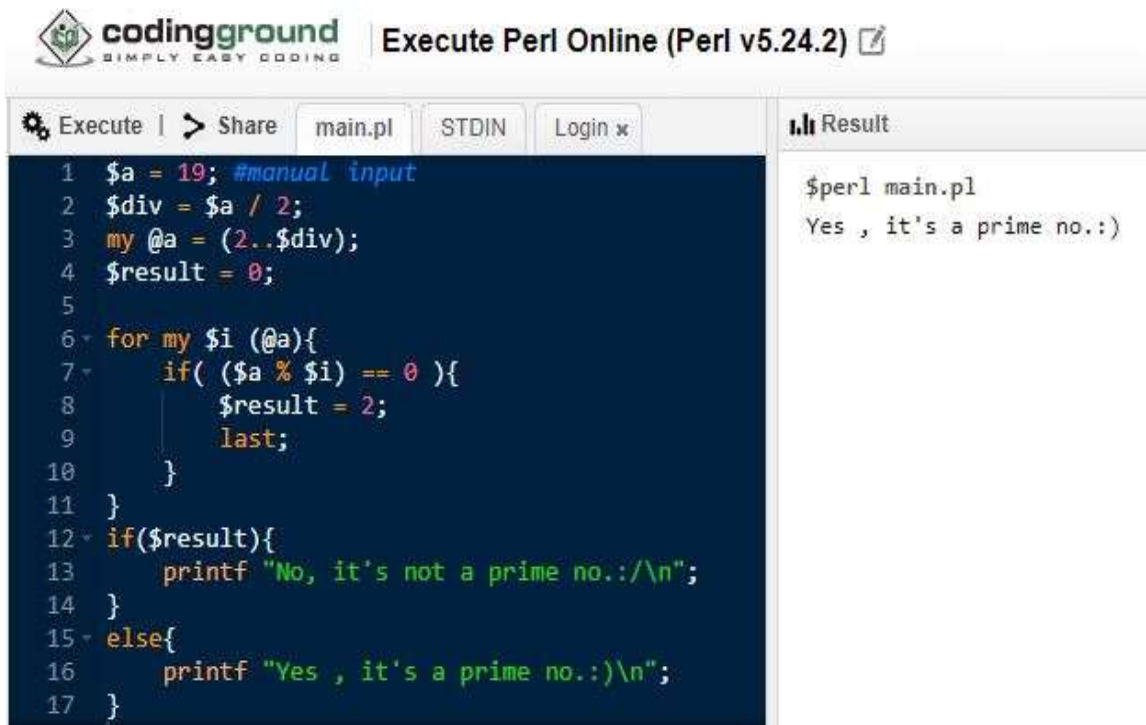
The screenshot shows the CodingGround online Perl editor interface. The title bar reads "Execute Perl Online (Perl v5.24)". The code editor contains the following Perl script:

```
1 $a = 23;
2 if( $a %2==0 ){
3     printf "Even Number\n";
4 }
5 else{
6     printf "Odd Number\n";
7 }
8
```

The "Result" pane on the right shows the output of the script:

```
$perl main.pl
Odd Number
```

2. Write a program in Perl to check whether a number is prime or not.



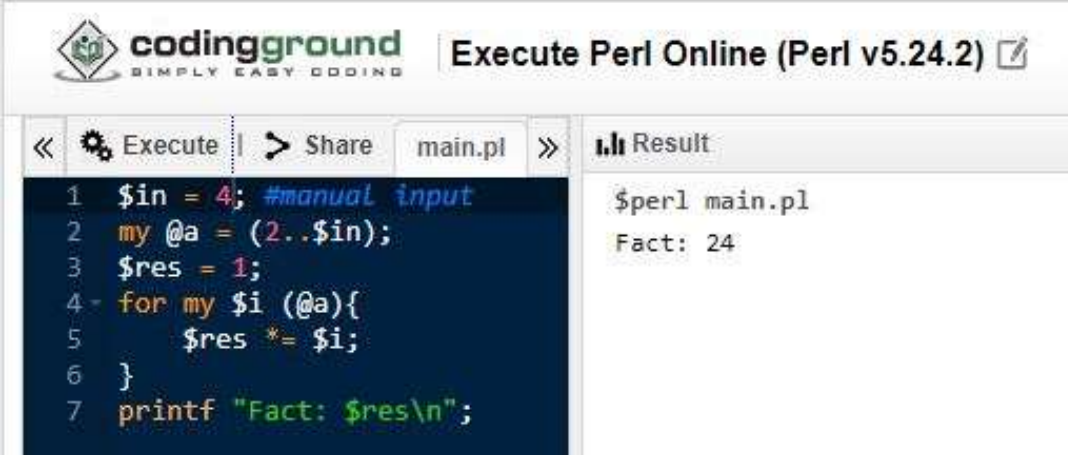
The screenshot shows the CodingGround online Perl editor interface. The title bar reads "Execute Perl Online (Perl v5.24.2)". The code editor contains the following Perl script:

```
1 $a = 19; #manual input
2 $div = $a / 2;
3 my @a = (2..$div);
4 $result = 0;
5
6 for my $i (@a){
7     if( ($a % $i) == 0 ){
8         $result = 2;
9         last;
10    }
11 }
12 if($result){
13     printf "No, it's not a prime no.:\n";
14 }
15 else{
16     printf "Yes , it's a prime no.:\n";
17 }
```

The "Result" pane on the right shows the output of the script:

```
$perl main.pl
Yes , it's a prime no.:
```

3. write a program in Perl to find the factorial of a given number.



The screenshot shows the codingground online Perl editor interface. At the top, there is a logo for 'codingground' with the tagline 'SIMPLY EASY CODING'. To the right of the logo, it says 'Execute Perl Online (Perl v5.24.2)' with a small icon of a document and a pencil. Below this, there is a navigation bar with 'Execute' (selected), 'Share', and 'main.pl'. The main area is divided into two panes. The left pane contains the following Perl code:

```
1 $in = 4; #manual input
2 my @a = (2..$in);
3 $res = 1;
4 for my $i (@a){
5     $res *= $i;
6 }
7 printf "Fact: $res\n";
```

The right pane shows the command '\$perl main.pl' and the output 'Fact: 24'.