6a)retrieving data forms

```html
<!doctype html>
<html>
    <head>
        <title> html forms</title>
    </head>
    <body>
        <form>
            <h1> retrieving data forms</h1>
            Name:<input type=text name="abc"><br>
            <input type=submit value="click">
        </form>
    </body>
```
```php
<?php
$name=$_GET["abc"];
echo "My name is ".$name;
?>
```

O/P

My name is gaurav

6b)factorial

```php
<?php
$n=5;
$f=1;
for ($i=1;$i<=$n;$i++)
{
$f=$f*$i;
}
echo "factorial of $n is $f";
?>
```

O/P
----
factorial of 5 is 120

6c) fabinacci series

```php
<?php
function fibonacci($n) {
    $fib = [];
    $fib[0] = 0;
    $fib[1] = 1;

    for ($i = 2; $i < $n; $i++) {
        $fib[$i] = $fib[$i - 1] + $fib[$i - 2];
    }

    return $fib;
}
$terms = 10;
$fibonacciSeries = fibonacci($terms);

echo "Fibonacci series up to $terms terms: " . implode(", ", $fibonacciSeries);
?>
```

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Fibonacci series up to 10 terms: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34

6d) finding prime number

```php
<?php
$n=50;
for($j=2;$j<=$n;$j++)
{
for($k=2;$k<=$j;$k++)
{
if($j%$k==0)
{          break;
}
}
if($k==$j)
echo "prime numbers sre ".$j."<br>";
}
?>
```

O/P

Prime number: 2
Prime number: 3
Prime number: 5
Prime number: 7
Prime number: 11
Prime number: 13
Prime number: 17
Prime number: 19
Prime number: 23
Prime number: 29
Prime number: 31
Prime number: 37
Prime number: 41
Prime number: 43
Prime number: 47