

Mid-Term Examination

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Section : Cloud B

Department : CPC

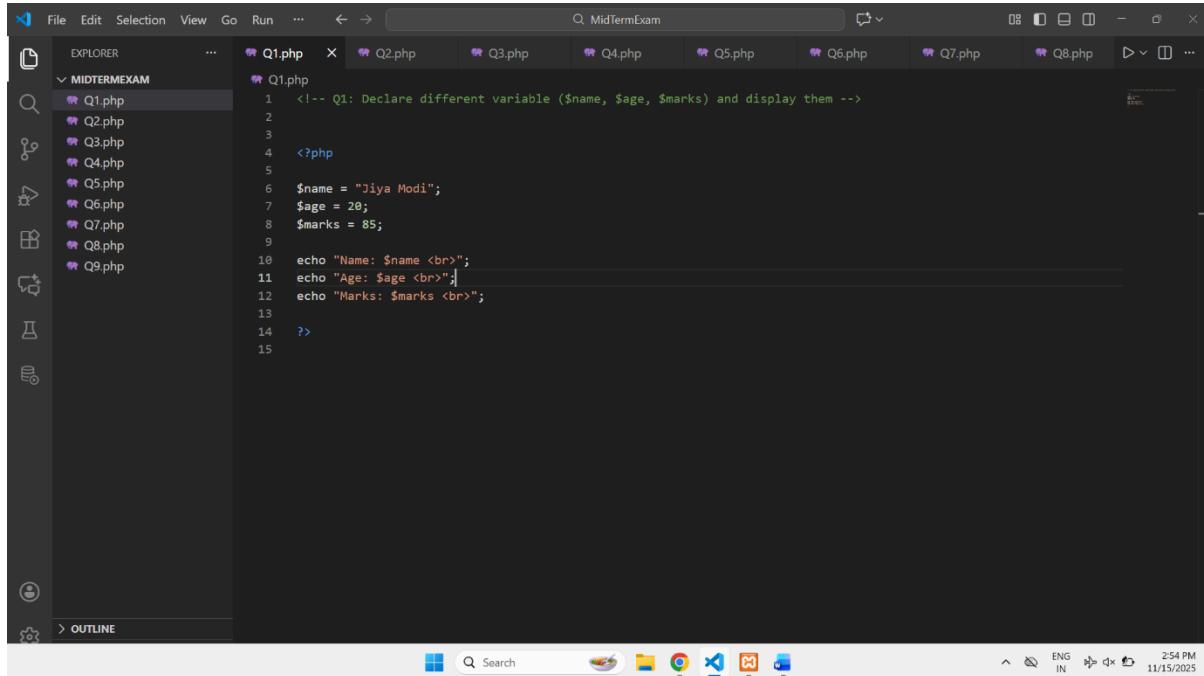
Date : 15/11/2025

Subject : Web Technology - 2

Subject Code : DSC-C-CAD-353P

Q1

Answer:



The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows a folder named "MIDTERMEXAM" containing files Q1.php through Q9.php.
- Editor:** The file "Q1.php" is open, displaying the following PHP code:

```
1  <!-- Q1: Declare different variable ($name, $age, $marks) and display them -->
2
3
4  <?php
5
6  $name = "Jiya Modi";
7  $age = 20;
8  $marks = 85;
9
10 echo "Name: $name <br>";
11 echo "Age: $age <br>";
12 echo "Marks: $marks <br>";
13
14 ?>
```
- Taskbar:** Shows icons for various applications including File Explorer, Task Manager, and Microsoft Edge.
- System Tray:** Displays system status including battery level, network connection, and date/time (254 PM, 11/15/2025).



Q2:

Answer:

A screenshot of a code editor window titled "MidTermExam". The left sidebar shows a file tree under "MIDTERMEXAM" containing files Q1.php through Q9.php. The main editor area displays the following PHP code:

```
1  <!-- Q2: Write a PHP programs that uses string functions like strlen(), strrev(), strtoupper(), Substr() -->
2
3
4  <?php
5  $str = "Hello from Jiya Modi";
6
7  echo "Length: " . strlen(string: $str) . "<br>";
8  echo "Capital: " . strtoupper(string: $str) . "<br>";
9  echo "Substring (0-5): " . substr(string: $str, offset: 0, length: 5) . "<br>";
10 echo "Reverse: " . strrev(string: $str);
11
12 ?>
```

A screenshot of a Microsoft Edge browser window. The address bar shows "localhost/MidTermExam/Q2.php". The page content displays the output of the PHP script:

Length: 20
Capital: HELLO FROM JIYA MODI
Substring (0-5): Hello
Reverse: idoM ayiJ morf olleH



Q3:

Answer:

File Edit Selection View Go Run ... ← → Q: MidTermExam

EXPLORER MIDTERMEXAM

Q1.php Q2.php Q3.php Q4.php Q5.php Q6.php Q7.php Q8.php Q9.php

Q3.php

```
1  <!-- Q3: Perform Arithmetic operator
2  Comparison operator
3  Logical operator
4  Assignment operator -->
5
6
7  <?php
8
9
10 $a = 15;
11 $b = 10;
12 $c;
13
14 echo "<b>Arithmetic Operators:</b><br>";
15 echo "Sum: " . ($a + $b) . "<br>";
16 echo "Sub: " . ($a - $b) . "<br>";
17 echo "Mul: " . ($a * $b) . "<br>";
18 echo "Div: " . ($a / $b) . "<br>";
19 echo "Mod: " . ($a % $b) . "<br><br>";
20
21
22 echo "<b>Comparison Operators:</b><br>";
23 echo ($a == $b) ? "Equal<br>" : "Not Equal<br>";
24 echo ($a < $b) ? "True<br>" : "False<br>";
25 echo ($a > $b) ? "True<br>" : "False<br>";
26 echo ($a <= $b) ? "True<br>" : "False<br>";
27 echo ($a >= $b) ? "True<br>" : "False<br>";
28 echo ($a != $b) ? "True<br><br>" : "False<br><br>";
29
30
31 echo "<b>Logical Operators:</b><br>";
```

OUTLINE

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File Edit Selection View Go Run ... ← → Q: MidTermExam

EXPLORER MIDTERMEXAM

Q1.php Q2.php Q3.php Q4.php Q5.php Q6.php Q7.php Q8.php Q9.php

Q3.php

```
26 echo ($a <= $b) ? "True<br>" : "False<br>";
27 echo ($a >= $b) ? "True<br>" : "False<br>";
28 echo ($a != $b) ? "True<br><br>" : "False<br><br>";
29
30
31 echo "<b>Logical Operators:</b><br>";
32 echo ($a > 0 && $b > 0) ? "Both Positive<br>" : "Not Both Positive<br>";
33 echo ($a < 0 || $b > 0) ? "Positive<br><br>" : "Negative<br><br>";
34
35
36
37 echo "<b>Assignment Operators:</b><br>";
38 $a += 5;
39 echo "After += : $a <br>";
40 $a -= 10;
41 echo "After -= : $a <br>";
42 $a *= 15;
43 echo "After *= : $a <br>";
44 $a /= 5;
45 echo "After /= : $a <br>";
46
47
48
49 ?>
```

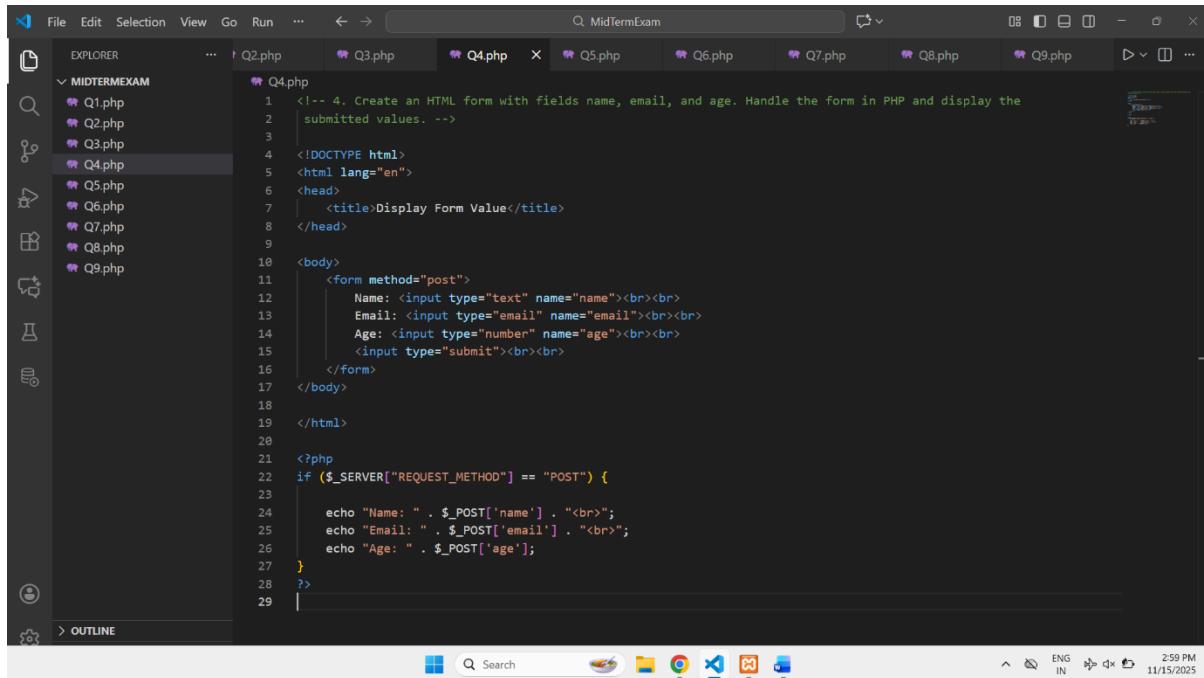
OUTLINE

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Q4:

Answer:



The screenshot shows a code editor window titled "MidTermExam". The file "Q4.php" is open. The code is a PHP script that creates an HTML form with fields for name, email, and age. It handles the form submission and displays the submitted values. The code includes HTML for the form structure and PHP logic to echo back the submitted data.

```
1 <!-- 4. Create an HTML form with fields name, email, and age. Handle the form in PHP and display the
2 | submitted values. -->
3
4 <!DOCTYPE html>
5 <html lang="en">
6 <head>
7 |   <title>Display Form Value</title>
8 </head>
9
10 <body>
11   <form method="post">
12     Name: <input type="text" name="name"><br><br>
13     Email: <input type="email" name="email"><br><br>
14     Age: <input type="number" name="age"><br><br>
15     <input type="submit"><br><br>
16   </form>
17 </body>
18
19 </html>
20
21 <?php
22 if ($_SERVER["REQUEST_METHOD"] == "POST") {
23
24   echo "Name: " . $_POST['name'] . "<br>";
25   echo "Email: " . $_POST['email'] . "<br>";
26   echo "Age: " . $_POST['age'];
27 }
28 ?>
```



The screenshot shows a web browser window titled "Display Form Value". The URL is "localhost/MidTermExam/Q4.php". The page displays the submitted form data: Name: Jiya Modi, Email: modijiya156@gmail.com, and Age: 20. Below the form fields is a "Submit" button.



Screenshot of a web browser window showing a form submission result.

The title bar says "Display Form Value". The address bar shows "localhost/MidTermExam/Q4.php". Below the address bar, there are several tabs: "JioHotstar - Watch...", "Introduction to Kub...", "Study in Finland | Fe...", and "Home - Microsoft A...".

The main content area displays the submitted form data:

Name:

Email:

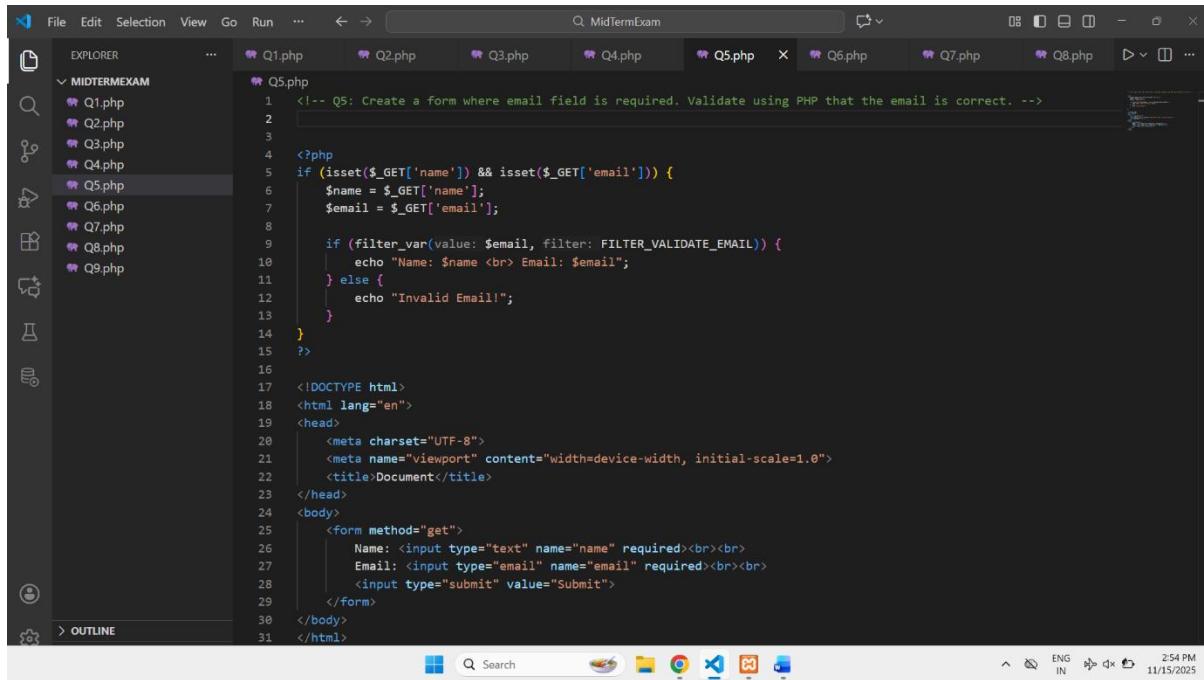
Age:

Name: Jiya Modi
Email: modijiya156@gmail.com
Age: 20



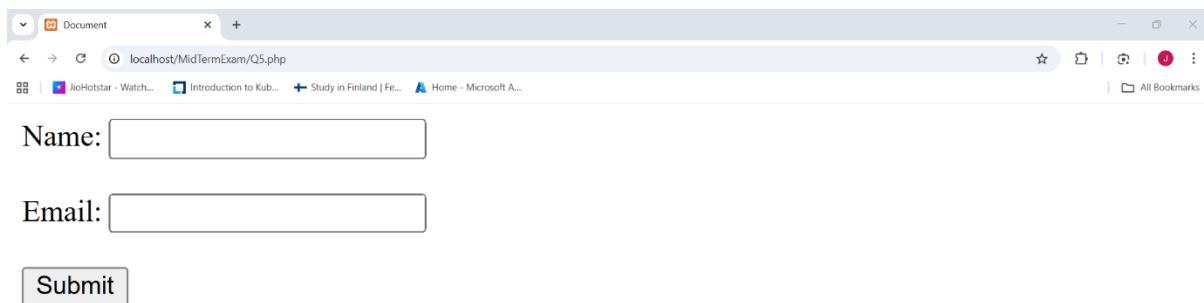
Q5:

Answer:



The screenshot shows a code editor window titled "MidTermExam". The left sidebar lists files: Q1.php, Q2.php, Q3.php, Q4.php, Q5.php (selected), Q6.php, Q7.php, Q8.php, and Q9.php. The main pane displays the contents of Q5.php:

```
1  <!-- Q5: Create a form where email field is required. Validate using PHP that the email is correct. -->
2
3
4  <?php
5  if (isset($_GET['name']) && isset($_GET['email'])) {
6      $name = $_GET['name'];
7      $email = $_GET['email'];
8
9      if (filter_var(value: $email, filter: FILTER_VALIDATE_EMAIL)) {
10          echo "Name: $name <br> Email: $email";
11      } else {
12          echo "Invalid Email!";
13      }
14  ?>
15
16
17  <!DOCTYPE html>
18  <html lang="en">
19  <head>
20      <meta charset="UTF-8">
21      <meta name="viewport" content="width=device-width, initial-scale=1.0">
22      <title>Document</title>
23  </head>
24  <body>
25      <form method="get">
26          Name: <input type="text" name="name" required><br><br>
27          Email: <input type="email" name="email" required><br><br>
28          <input type="submit" value="Submit">
29      </form>
30  </body>
31  </html>
```



The screenshot shows a Microsoft Edge browser window. The address bar says "localhost/MidTermExam/Q5.php". The page content is:

Name:

Email:



Screenshot of a web browser showing a form submission. The URL is `localhost/MidTermExam/Q5.php`. The form has two fields: "Name" containing "Jiya Modi" and "Email" which is empty. A validation message "Please fill in this field." is displayed next to the empty email field. The "Submit" button is present.

Name: Jiya Modi

Email:

Please fill in this field.

Submit

Screenshot of a web browser showing a form submission. The URL is `localhost/MidTermExam/Q5.php`. The form has two fields: "Name" containing "Jiya Modi" and "Email" containing "sjdbc". A validation message "Please include an '@' in the email address. 'sjdbc' is missing an '@'." is displayed next to the email field. The "Submit" button is present.

Name: Jiya Modi

Email: sjdbc

Please include an '@' in the email address. 'sjdbc' is missing an '@'.

Submit



Screenshot of a web browser showing a form submission. The URL is `localhost/MidTermExam/Q5.php`. The form fields are:

Name:

Email:

Screenshot of a web browser showing a form submission. The URL is `localhost/MidTermExam/Q5.php?name=Jiya+Modi&email=sjdbc%40sdbk`. The form fields are:

Invalid Email!

Name:

Email:



Document

localhost/MidTermExam/Q5.php?name=Jiya+Modi&email=sjdbc%40sdbk

JioHotstar - Watch... Introduction to Kub... Study in Finland | Fe... Home - Microsoft A...

All Bookmarks

Invalid Email!

Name:

Email:

Search ENG IN 3:00 PM 11/15/2025

Document

localhost/MidTermExam/Q5.php?name=Jiya+Modi&email=modijiya156%40gmail.com

JioHotstar - Watch... Introduction to Kub... Study in Finland | Fe... Home - Microsoft A...

All Bookmarks

Name: Jiya Modi
Email: modijiya156@gmail.com

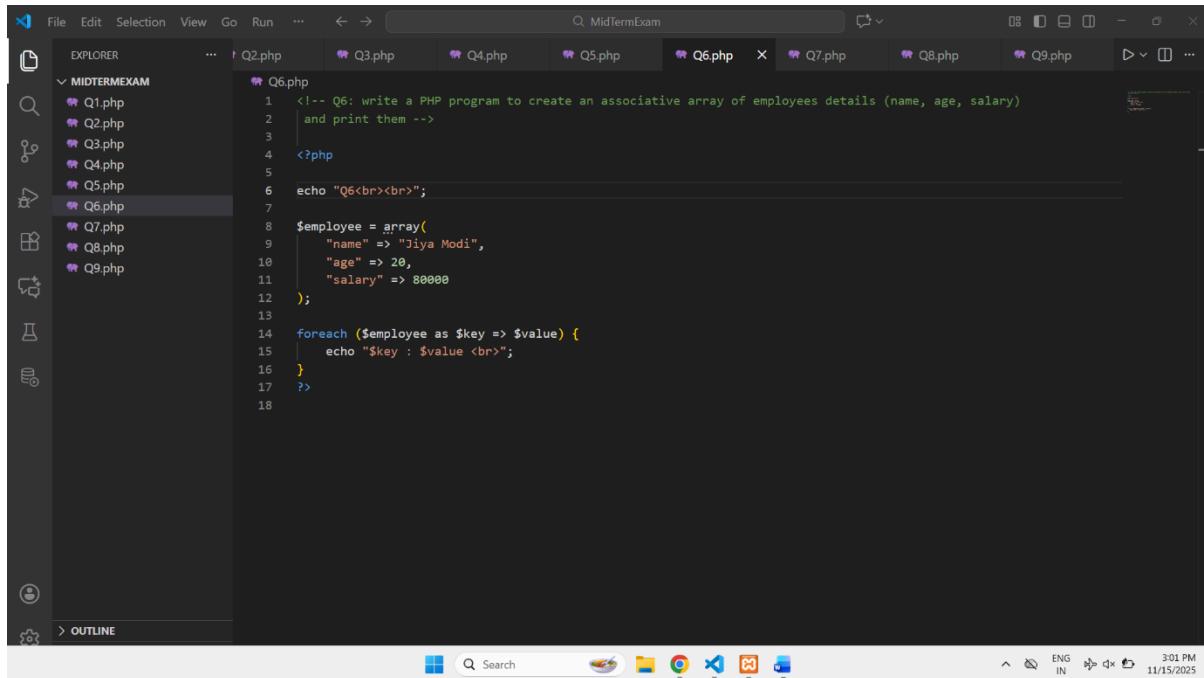
Name:

Email:



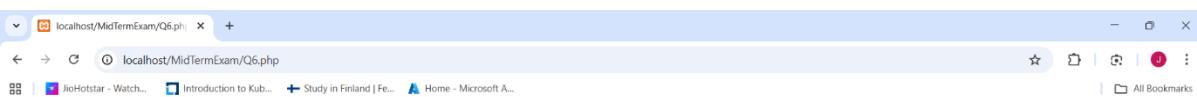
Q6:

Answer:



The screenshot shows the Microsoft Visual Studio Code interface. The left sidebar displays a file tree under 'MIDTERMEXAM' with files Q1.php through Q9.php. The main editor area contains the following PHP code:

```
<!-- Q6: write a PHP program to create an associative array of employees details (name, age, salary)  
and print them -->  
<?php  
echo "Q6<br><br>";  
  
$employee = array(  
    "name" => "Jiya Modi",  
    "age" => 20,  
    "salary" => 80000  
);  
  
foreach ($employee as $key => $value) {  
    echo "$key : $value <br>";  
}  
?>
```



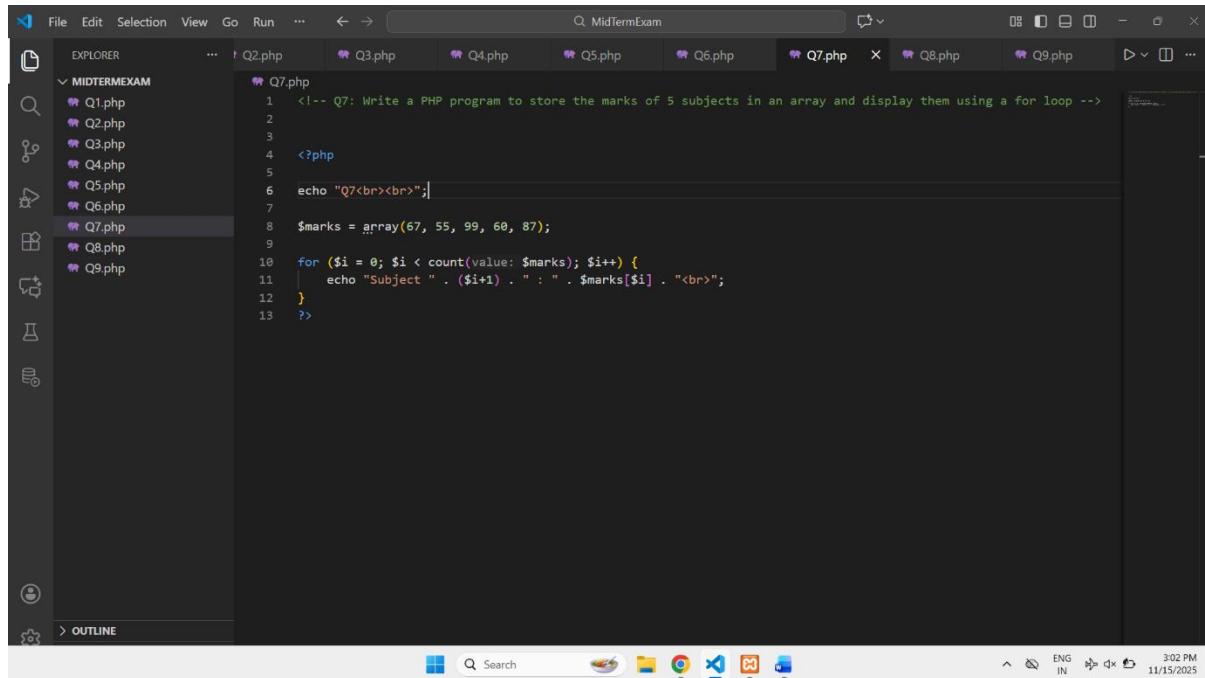
Q6

name : Jiya Modi
age : 20
salary : 80000



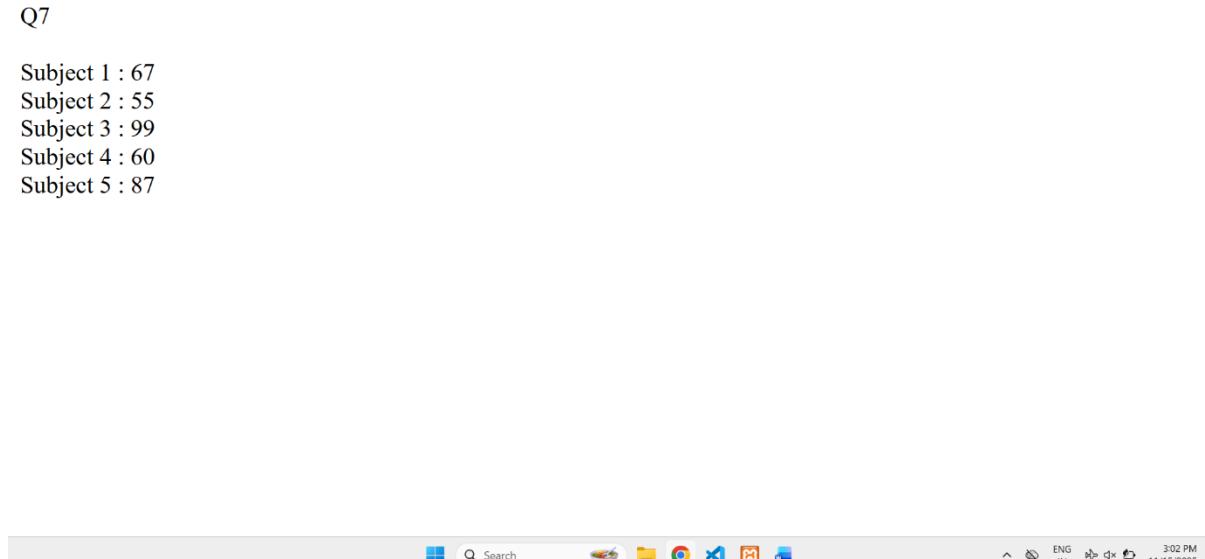
Q7:

Answer:



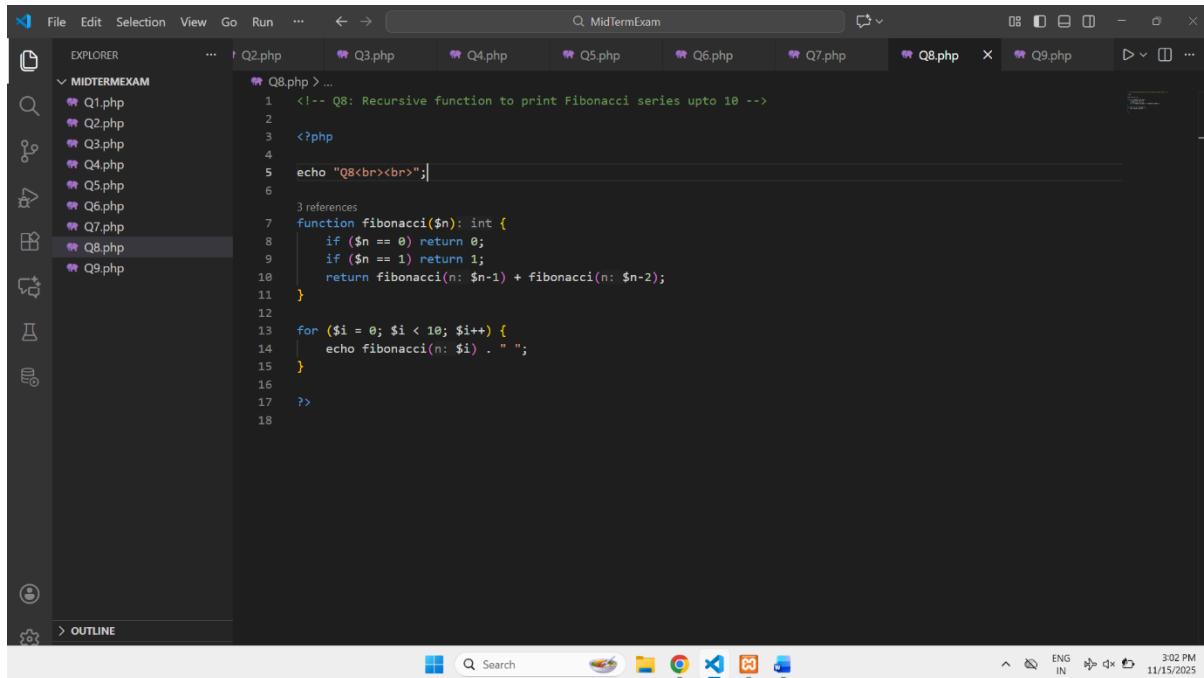
The screenshot shows a code editor window titled "MidTermExam". The file "Q7.php" is open, containing the following PHP code:

```
<!-- Q7: Write a PHP program to store the marks of 5 subjects in an array and display them using a for loop -->
<?php
echo "Q7<br><br>";
$marks = array(67, 55, 99, 60, 87);
for ($i = 0; $i < count($marks); $i++) {
    echo "Subject " . ($i+1) . " : " . $marks[$i] . "<br>";
}
?>
```



Q8:

Answer:



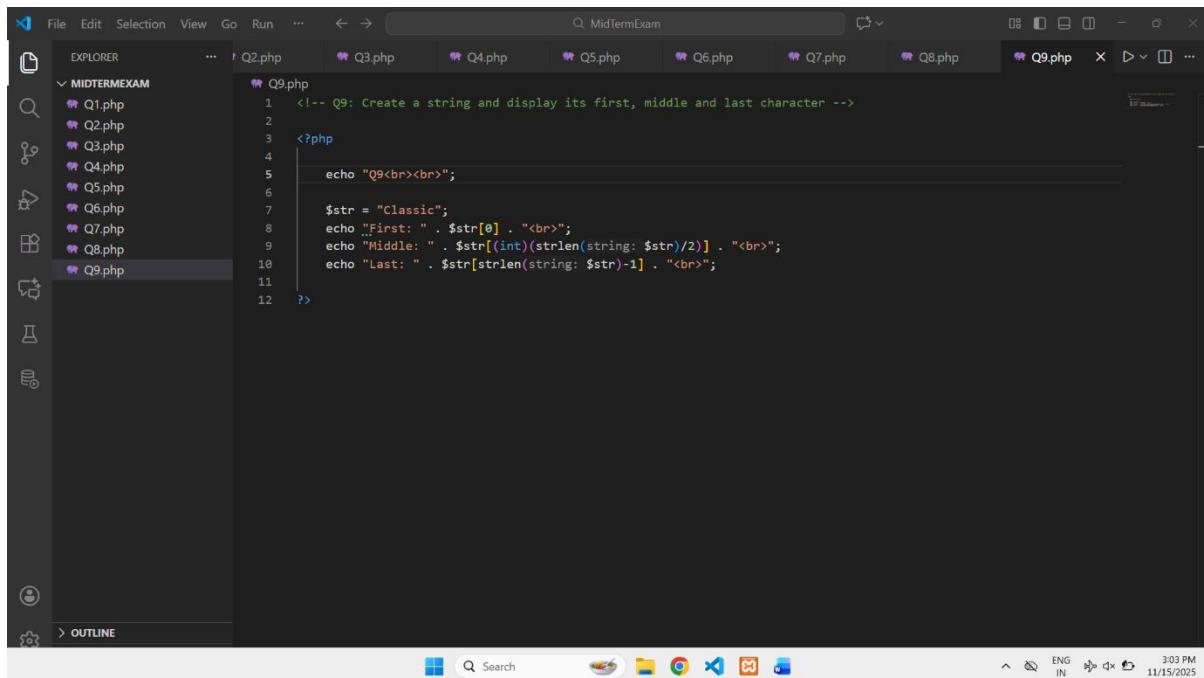
The screenshot shows a code editor window titled "MidTermExam". The file "Q8.php" is open, containing the following PHP code:

```
<!-- Q8: Recursive function to print Fibonacci series upto 10 -->
<?php
echo "Q8<br><br>";
function fibonacci($n): int {
    if ($n == 0) return 0;
    if ($n == 1) return 1;
    return fibonacci($n-1) + fibonacci($n-2);
}
for ($i = 0; $i < 10; $i++) {
    echo fibonacci($i) . " ";
}
?>
```



Q9:

Answer:



The screenshot shows a code editor interface with a dark theme. In the top navigation bar, there are tabs for "File", "Edit", "Selection", "View", "Go", "Run", and others. The search bar contains the text "MidTermExam". The left sidebar is titled "EXPLORER" and shows a folder named "MIDTERMEXAM" containing several PHP files: Q1.php, Q2.php, Q3.php, Q4.php, Q5.php, Q6.php, Q7.php, Q8.php, and Q9.php. The file "Q9.php" is currently selected and is displayed in the main editor area. The code in Q9.php is as follows:

```
1  <!-- Q9: Create a string and display its first, middle and last character -->
2
3  <?php
4
5      echo "Q9<br><br>";
6
7      $str = "Classic";
8      echo "First: " . $str[0] . "<br>";
9      echo "Middle: " . $str[(int)(strlen(string: $str)/2)] . "<br>";
10     echo "Last: " . $str[strlen(string: $str)-1] . "<br>";
11
12 ?>
```

