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<?php
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/*
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Program to reverse the number, check if it is palindrome and armstrong <br/>
or not. Also calculate its sum of odd digits, even digits and total digits.<br/>
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Date : 05-07-2015 <br/>
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Author : Mayurkumar Marolia <br/>
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*/
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    $no = 153;
    $rv = 0;
    $temp = $no ;
    $soe = 0;
    $soo = 0;
    $sod = 0;
    $soc = 0;
    While( $no > 0 )
    {
        $rem = $no % 10 ;
        $soc = $soc + pow( $rem,3);
        if ( $rem % 2 == 0 ){
            $soe = $soe + $rem ;
        }else {
            $soo = $soo + $rem ;
        }
        $rv = ( $rv * 10 ) + $rem;
        $no = ($no - $rem)/10 ;
    }
```

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?>
```

```
<table border="1">
    <th colspan="2">
        Digit Report
    </th>
    <tr>
        <td> Original No. : </td>
        <td><?php echo $temp; ?></td>
    </tr>
    <tr>
        <td> Reverse No. : </td>
        <td><?php echo $rv; ?></td>
    </tr>
    <tr>
        <td> Palindrome No. : </td>
        <td><?php
            if ($rv == $temp){
                $palindrome = "Yes";
            }else{
                $palindrome = "No";
            }
        ?>
```

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        <td><?php echo $palindrome; ?></td>
    </tr>
    <tr>
        <td> Armstrong No. : </td>
        <?php
            if ($soc == $temp){
                $armstrong = "Yes";
            }else{
                $armstrong = "No";
            }
        ?>
        <td><?php echo $armstrong; ?></td>
    </tr>
    <tr>
        <td> Sum of Odd Digits : </td>
        <td><?php echo $soo; ?></td>
    </tr>
    <tr>
        <td> Sum of Even Digits : </td>
        <td><?php echo $soe; ?></td>
    </tr>
    <tr>
        <td> Sum of Digits : </td>
        <?php $sod = $soe + $soo ; ?>
        <td><?php echo $sod; ?></td>
    </tr>
</table>

```

Output:-

| Digit Report | |
|----------------------|-----|
| Original No. : | 153 |
| Reverse No. : | 351 |
| Palindrome No. : | No |
| Armstrong No. : | Yes |
| Sum of Odd Digits : | 9 |
| Sum of Even Digits : | 0 |
| Sum of Digits : | 9 |