# Ch3 - Lesson 3:
# Flow of control in PHP

# FLOW OF CONTROL

**Decision statements**

- **Simple if statements**
- **if … else statements**
- **if … else if … else statements**
- **switch statements**

**Repetition statements**

- **while loop**
- **do … while loop**
- **for loop**
- **foreach loop**

# FLOW OF CONTROL

- ## Simple if statement

```
if (condition)
     code to be executed if condition is true;
```

- ## *If … else statement*

```
if (condition)
     code to be executed if condition is true;
else
     code to be executed if condition is false;
```

# FLOW OF CONTROL

- If …. Else if … else statements

```
if (condition)
    code to be executed if condition is true;
else if(condition)
    code to be executed if condition is true;
else
    code to be executed if condition is false;
```

# FLOW OF CONTROL

- The switch statement

```
switch (expression)
{
case label1:
    code to be executed if expression = label1;
    break;
case label2:
    code to be executed if expression = label2;
    break;
default:
    code to be executed if expression is different from
    both label1 and label2; }
```

# FLOW OF CONTROL

- **for loop**

```
for (initialization; condition; increment)
  {
  code to be executed;
  }
```

# FLOW OF CONTROL

- While loop

```
Initialization;
while (condition)
{
    code to be executed;
    Increment / decrement;
}
```

# FLOW OF CONTROL

- **Example**

```php
<form action="" method="post">
Year:<select name="year">
<?php
$year=1970;
while($year<=2015)
{    echo "<option value=$year>$year</option>";
    $year++;
}
echo "</select>";
?>
```

# FLOW OF CONTROL

- **Example**

Year: 1970

- **Example**

```
<br><input type="submit" value="Display"></form>
<?php
$year=$_POST['year'];
if($year!=null)
echo "Year:$year";
?>
</body></html>
```

# FLOW OF CONTROL

- **do … while**

```
initialization;
do
  {
  code to be executed;
  increment / decrement;
  }
while (condition);
```

# FLOW OF CONTROL

- **foreach statement**

```
foreach ($array as $value)
{
        code to be executed;
}
```

- Used to loop through arrays.

  -  For each pass the value of the current array element is assigned to **$value** and the array pointer is **moved by one** and in the next pass, next element will be processed.

# FLOW OF CONTROL

- **Example: foreach statement**

```php
<?php
$array = array( 1, 2, 3, 4, 5);
    echo "Values of the array:";
foreach( $array as $value )
{

    echo "$value ";

}
?>
```

**Values of the array: 1,2,3,4,5**

# FLOW OF CONTROL

- **Break and continue**
  - **Break:** used to exit from the given loop statement
  - **Continue:** used to skip the current iteration of the given loop;

**Example: break**

```
for($i=1; i<=10; i++)
{
    if($i==5 || $i==7)
        break
    echo $i." ";
}
```

**Output**
 1 2 3 4

# FLOW OF CONTROL

- **Example: continue**
  - **Break:** used to exit from the given loop statemenrt
  - **Continue:** used to skip the current iteration of the given loop;

**Example: continue**

```
for($i=1; i<=10; i++)
{
    if($i==5 || $i==7)
        continue;
    echo $i." ";
}
```

**Output**
   1 2 3 4 6 9 10

# Thank You!