

**10110039 – MUHAMMAD RIFQI AJI PRATAMA**

**KELAS 2-A**

JOB SHEET   
PEMROGRAMAN BERORIENTASI OBJEK

PERTEMUAN 6 PERULANGAN

Dosen Pengampu

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| POLITEKNIK NEGERI SUBANG |  |
| Jurusan : TIK | Waktu : 240 Menit |
| Program Studi : Sistem Informasi | Topik : |
| Mata Kuliah : Pemrograman Berorientasi Objek | Judul : |
| Tanggal : 23 September 2024 | Pertemuan ke : 1 |
| URL Github : https://github.com/MRIFQIAP/PBO\_MUHAMMADRIFQIAP |  |

# Tujuan : Mahasiswa mampu memahami dan menjelaskan konsep dasar dan mengimplementasi serta berlatih penggunaan elemen pada HTML.

# Alat dan Bahan : XAMPP, Web Browser, Text Editor

**Langkah Kerja :**

1. **Siapkan dan jalankan xampp, web browser, dan text editor**
2. **Buat folder praktikum pemrograman web pada folder htdocs**
3. **Lakukan penulisan sintak program pada text editor**
4. **Simpan file hasil penulisan sintak tersebut kedalam folder praktikum**
5. **Jalankan web browser**
6. **Jalankan web pada mode local dengan mengetikan localhost/folder praktikum/file sintak pada web browser**
7. **Output program akan tampil pada web browser**

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| **No** | **Praktik** | **Output Program** | **Sintak Kode Program** | **Keterangan** |
| 1. | **Latihan Soal 6.1** |  | <?php  class perulangan{      public function looping()      {          for ($x = 1 ; $x <= 10; $x++)          {              echo $x."<br/>"; //badan perulangan          }      }  }  $ObjekPerulangan = new perulangan ();  echo $ObjekPerulangan -> looping ();  ?> |  |
| 2. | **Latihan Soal 6.2** |  | <?php  class perulangan {      public function loop (){          for ($i = 15; $i > 0;$i--)          {              echo $i;              echo "<br/>";          }      }  }  $ObjekPerulangan = new perulangan ();  echo "jenis perulangan lainnya "."<br/>";  echo $ObjekPerulangan -> loop()."<br/>";  ?> |  |
| 3. | **Latihan Soal 6.3** |  | <?php  class Perulangan {      public function loop1() {          for ($baris = 1; $baris <= 6; $baris++) {              for ($kolom = 1; $kolom < $baris; $kolom++) {                  echo $kolom . "&nbsp;";              }              echo "<br/>";          }      }      public function loop2() {          for ($baris = 1; $baris <= 6; $baris++) {              for ($kolom = 1; $kolom < $baris; $kolom++) {                  echo "\*" . "&nbsp;";              }              echo "<br/>";          }      }  }  $ObjekPerulangan = new Perulangan();  echo "Jenis perulangan 1 " . "<br/>";  $ObjekPerulangan->loop1();  echo "<br/>";  echo "Jenis perulangan 2 " . "<br/>";  $ObjekPerulangan->loop2();  ?> |  |
| 4. | **Latihan Soal 6.4** |  | <?php  class Perulangan {  public function loop() {      $array = array('Subang', 'Bandung', 'Jakarta', 'Surabaya', 'Yogyakarta');          foreach ($array as $key) {              echo $key."<br/>";          }      }  }  $ObjekPerulangan = new Perulangan();  echo "Nama-Nama Kota di Pulau Jawa: "."<br />";  echo $ObjekPerulangan->loop()."<br />";  ?> |  |
|  | **Latihan Soal 6.6** |  | <?php  $a = 1;  while($a < 11)  {  $b = 1;  while($b < 11)  {  echo $b.", ";  $b++;  }  $a++;  echo "<br/>";  }  ?> |  |
|  | **Latihan soal 6.6.1** |  | <?php  $a = 1;  while($a < 11)  {  if ($a == 7) {  $a++;  continue;  }  echo $a;  $a++;  }  ?> |  |
|  | **Latihan Soal 6.7** |  | <?php  class perulangan {      public function loop() {          $i=0;          do {              $i++;              echo $i."<br/>";          }          while ($i <= 9);      }  }  $ObjekPerulangan = new Perulangan ();  echo $ObjekPerulangan -> loop()."<br/>";  ?> |  |
|  | **Latihan Soal 6.8** |  | <?php  for ($i=1; $i<5; $i++){      for ($j=$i;$j<=5;$j++){          echo "&nbsp;";      }      for ($j = 1; $j<= $i; $j++){          echo "\*";      }      echo "<br/>";  }  ?> |  |
|  | **Latihan soal 6.9** |  | <?php  for($a = 1;$a < 11;$a++)  {  for($b=1;$b < 11;$b++)  {  echo $b.", ";  }  echo "<br/>";  }  ?> |  |
|  | **Latihan soal 6.10.1** |  | <?php  for ($i = 2; $i <= 10; $i += 2)  {      for ($j = $i; $j < 10; $j += 2)      {          echo "&nbsp;&nbsp;&nbsp;";      }      for ($j = 1; $j <= $i; $j++)      {          echo "\*";          echo "&nbsp;";      }      echo "&nbsp;";      echo "<br/>";  }  ?> |  |
|  | **Latihan soal 6.10.2** |  | <?php  class Perulangan {      public function loop() {          $array = array(1, 2, 3, 4, 5, 5, 4, 3, 2, 1);          foreach ($array as $num) {              echo str\_repeat('\*', $num) . "<br/>";          }      }  }  $ObjekPerulangan = new Perulangan();  $ObjekPerulangan->loop();  ?> |  |
|  | **Latihan soal 6.10.3** |  | <?php    class perulangan{      var $t;      public function setTinggi($t)      {          $this->t = $t;      }      public function getTinggi()      {          return $this->t;      }        public function cetakSegitigaKiri()      {          for ($i = 1; $i <= $this->t; $i++) {              for ($j = $this->t; $j > $i; $j--) {                  echo "&nbsp;&nbsp;";              }              for ($k = 1; $k <= $i; $k++) {                  echo "\*";              }              echo "<br>";          }            for ($i = $this->t - 1; $i >= 1; $i--) {              for ($j = $this->t; $j > $i; $j--) {                  echo "&nbsp;&nbsp;";              }              for ($k = 1; $k <= $i; $k++) {                  echo "\*";              }              echo "<br>";          }      }  }  $segitiga1 = new perulangan();  $segitiga1->setTinggi(5);  $segitiga1->cetakSegitigaKiri(); |  |

**Analisis dan Penjelasan Kode Program dalam Soal Tes Praktikum :**

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