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Kelas A

Soal - soal Mahasiswa

1. Program mengubah representasi bilangan dari sepuluh ke basis dua

```
Fython 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 tel]] on win32
Type "help", "copyright", "credits" or "license()" for more information.
                                                                                                                                 >>>
= RESTART: E:\TUGAS TUGAS KULIAH\SEMESTER 4\Praktikum Algoritma Struktur
DUL_8\soal01.py
>>> cetaKHexa(12)
'C'
                                                                                                                                 >>> cetakHexa(31)
                                                                                                                                 >>> cetakHexa(229)
                                                                                                                               "E5"
>>> cetakHexa (229)
'FF"
>>> cetakHexa (255)
'FF"
>>> cetakHexa (31519)
'7B1F'
>>> [
```

2. Eksekusi program dengan pensil dan kertas

```
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (In tel)] on win32 
Type "help", "copyright", "credits" or "license()" for more information.
       def __init__(self):
    self.items = []
      def isEmpty(self):
    return len(self) == 0
                                                                                                                                          = RESTART: E:\TUGAS TUGAS KULIAH\SEMESTER 4\Praktikum Algoritma Struktur data\MO
DUL 8\soa102.pv
      def __len__(self):
    return len(self.items)
                                                                                                                                          [0]
      def peek(self):
    assert not self.isEmpty(), "Stack kosong. Tidak bisa diintip"
    return self.items[-1]
                                                                                                                                          [0]
                                                                                                                                          [0, 3]
      def pop(self):
    assert not self.isEmpty(), "Stack kosong. Tidak bisa di-pop"
    return self.items.pop()
                                                                                                                                          [0, 3]
                                                                                                                                         [0, 3]
      def push(self, data):
    self.items.append(data)
                                                                                                                                         [0, 3, 6]
                                                                                                                                         [0, 3, 6]
nilai = Stack()
for i in range(16):
    print(i)
    if i % 3 == 0:
        nilai.push(i)
    print(nilai.items)
                                                                                                                                         [0, 3, 6]
                                                                                                                                         [0, 3, 6, 9]
10
                                                                                                                                         [0, 3, 6, 9]
                                                                                                                                         [0, 3, 6, 9]
                                                                                                                                          [0, 3, 6, 9, 12]
                                                                                                                                         [0, 3, 6, 9, 12]
                                                                                                                                             , 3, 6, 9, 12]
                                                                                                                                       [0, 3, 6, 9, 12, 15]
```

3. Eksekusi program dengan pensil dan kertas

```
| Class Stack(object):
| def ints (eaff):
| def posk(eaff):
| def po
```

4. Class Queue dan PriorityQueue

5. Metode dequeue