PRINSIP BAHASA PEMROGRAMAN

Week 6 – Latihan HASKELL



Disusun oleh:

Muhamad Mathar Rizqi (221524014)

Jurusan Teknik Komputer dan Informatika

Program Studi D-4 Teknik Informatika POLITEKNIK NEGERI BANDUNG

Jl. Gegerkalong Hilir, Ciwaruga, Kec. Parongpong, Kabupaten Bandung Barat, Jawa Barat 40559

DAFTAR ISI

DAFTAR ISI	i
Soal 1	2
Soal 2	2
Soal 3	3
Soal 4	4
Soal 5	4
Soal 6	5
Soal 7	6
Soal 8	7
GitHub	7

Code:

Output:

```
ghci> cekNilai 99
"A"
ghci> cekNilai 77
"AB"
ghci> cekNilai 72
"B"
ghci> cekNilai 68
"BC"
ghci> cekNilai 61
"C"
ghci> cekNilai 52
"D"
ghci> cekNilai 40
"E"
```

Soal 2

Code:

Output:

```
ghci> gcde 15 10
5
ghci> gcde 18 14
2
```

Soal 3

Code:

Output:

```
ghci> checkEvenOddPosNeg (-3)
"Ganjil Negatif"
ghci> checkEvenOddPosNeg (-2)
"Genap Negatif"
ghci> checkEvenOddPosNeg 0
"Bilangan Nol"
ghci> checkEvenOddPosNeg 4
"Genap Positif"
ghci> checkEvenOddPosNeg 7
"Ganjil Positif"
```

Code:

Output:

```
ghci> cekPrime 1
False
ghci> cekPrime 3
True
ghci> cekPrime 13
True
ghci> cekPrime 19
True
ghci> cekPrime 19
True
ghci> cekPrime 12
False
```

Soal 5

Code:

Output:

```
ghci> normalisasi [10, 20, 30, 40, 50]
[0.0,0.25,0.5,0.75,1.0]
ghci> normalisasi [10, 20, 30, 40, 50, 60]
[0.0,0.2,0.4,0.6,0.8,1.0]
ghci> normalisasi [10, 20, 30, 40, 50, 60, 70]
[0.0,0.16666667,0.33333334,0.5,0.6666667,0.83333333,1.0]
ghci> normalisasi [10, 20, 30, 40, 50, 60, 70, 80]
[0.0,0.14285715,0.2857143,0.42857143,0.5714286,0.71428573,0.85714287,1.0]
```

Soal 6

Code:

Output:

```
ghci> listPrime 4
[2,3]
ghci> listPrime 10
[2,3,5,7]
ghci> listPrime 100
[2,3,5,7,11,13,17,19,23,29,31,37,41,43,47,53,59,61,67,71,73,79,83,89,97]
ghci> listPrime 1000
[2,3,5,7,11,13,17,19,23,29,31,37,41,43,47,53,59,61,67,71,73,79,83,89,97,101,103,107,109,113,127,131,137,139,149,151,157,163,167,173,179,181,101,1193,107,109,211,223,227,229,233,239,241,251,257,263,269,271,277,281,283,293,307,311,313,317,331,337,347,349,353,359,367,373,379,383,389,397,401,409,419,421,431,433,439,443,449,457,461,463,467,479,487,491,499,503,509,521,523,541,547,557,563,569,571,577,587,593,599,601,607,613,617,619,631,641,643,647,653,659,661,673,677,683,691,701,709,719,727,733,739,743,751,757,761,769,773,787,797,809,811,821,823,827,829,839,853,857,859,863,877,881,883,887,907,911,919,929,937,941,947,953,967,971,977,983,991,997]
ghci>
```

Code:

```
№ Soal7.hs
➤ Pertemuan_6.hs
                                    ≫ Soal8.hs
≫ Soal7.hs > ...
       buatlah program untuk menampilkan output berikut
       import Data.Char (isDigit, isAlpha, toUpper, toLower)
       main::IO()
       main = do
           let char1 = 'c'
           let char2 = '4'
           let str1 = "haskel"
           let str2 = "POLBAN"
           putStrLn ("1. " ++ show (isAlpha char1))
           putStrLn ("2. " ++ show (isDigit char2))
           putStrLn ("3. " ++ map toUpper str1)
           putStrLn ("4. " ++ map toLower str2)
 25
```

Output:

Code:

Output:

```
PS D:\POLBAN\Semester 3\Prinsip bahasa pemro
ik\W6\Soal8.hs"
a. (1,3)
b. [1,2,3]
c. ["a","b","c"]
d. [(1,"a"),(2,"b"),(3,"c")]
PS D:\POLBAN\Semester 3\Prinsip bahasa pemro
```

GitHub

https://github.com/Matharrr/Week6_PBP