Universitas Putra Indonesia "YPTK" Padang
Program S2 Teknik Informatika

UJIAN PERBAIKAN ANGKATAN 37

Mata Kuliah : Software Engineering
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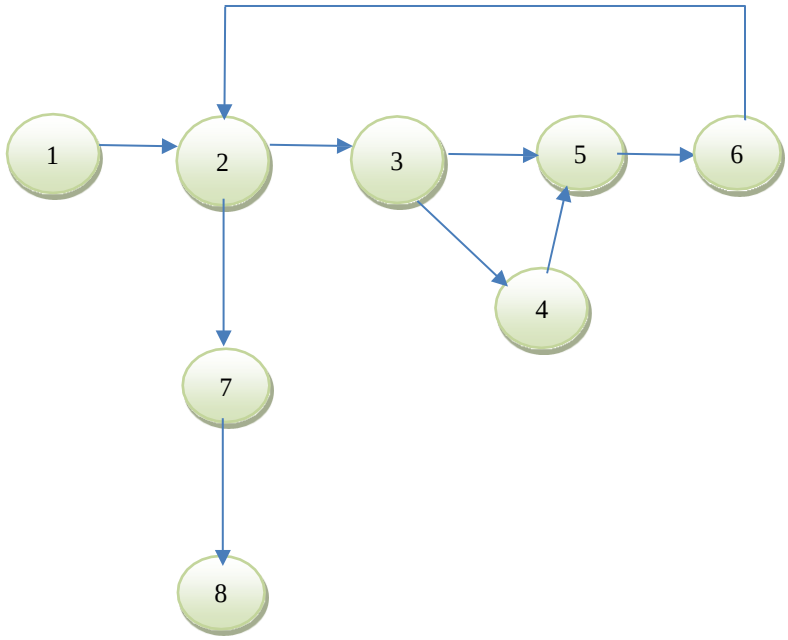
1. Soal perbaikan uas Software Testing dengan data 5 digit terakhir no seri uang kertas.


```
float homeworkAverage(float[] scores) {
 float min = 99999;
 float total = 0;
 for (int i = 0 ; i < scores.length ; i++) {
      if (scores[i] < min)
              min = scores[i];
      total += scores[i];
 }
 total = total – min;
 return total / (scores.length – 1);
 }
```

1. Gambar flow

```
float homeworkAverage(float[] scores) {
float min = 99999;          1
float total = 0;
for (int i = 0 ; i < scores.length ; i++) {  2
if (scores[i] < min)  3
min = scores[i];  4
total += scores[i];  5
}  6
total = total – min;  7
return total / (scores.length – 1);  8
}
```

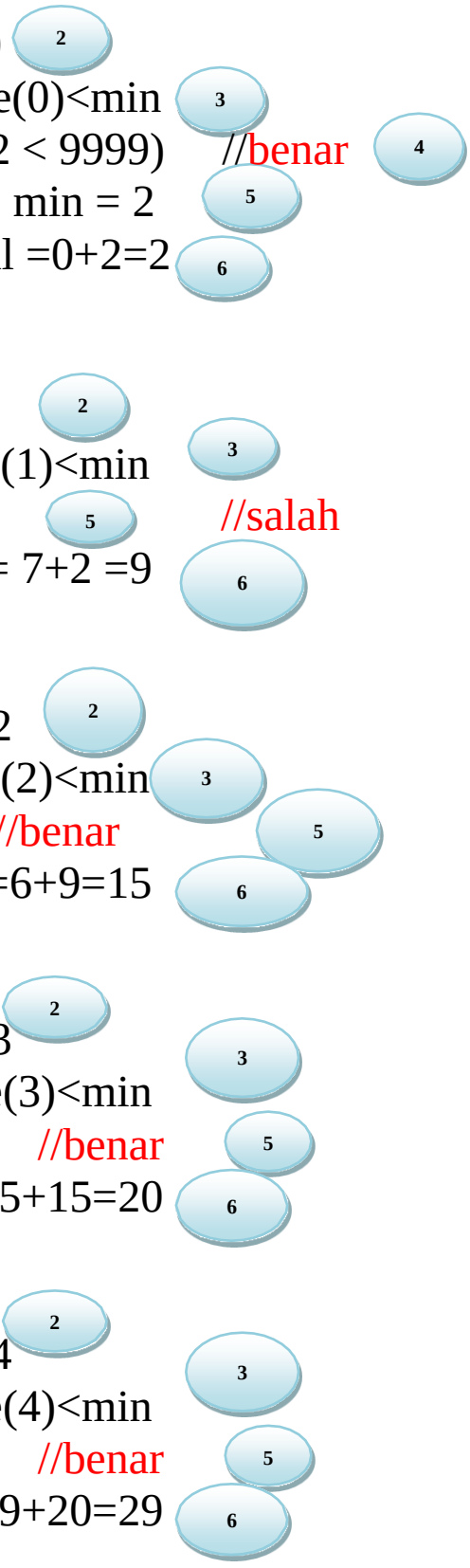
1. Graph



Test data white testing data uji dengan no seri uang kertas (2 , 7 , 6, 5, 9)

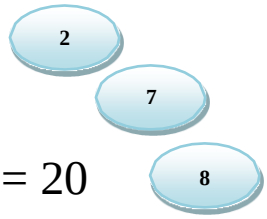
Test data i=5

```
float homeworkAverage(float[] scores) {
 float min = 99999;
 float total = 0;
score={2,7,6,5,9) //data uji

for i=0
 ifscore(0)<min
    if (2 < 9999)     //benar
          min = 2
    total =0+2=2
 Next

for i=1
ifscore(1)<min
7<2                   //salah
Total = 7+2 =9
Next

For i=2
ifscore(2)<min
6<9    //benar
Total =6+9=15

Next
For i=3
Ifscore(3)<min
5<15      //benar
Total=5+15=20

Next
For i=4
Ifscore(4)<min
9<20      //benar
Total=9+20=29
```



For i = 5
(loop keluar)

Total = 29-9 = 20



1. Jalur Independent Adalah
   Node= 8
   Edge = 9
   Edge-node +2 =9-8+2 = 3

   a. 1,2,3,4,5,6,2
   b.1,2,3,4,6,2
   c. 1,2,3,5,6,2,7,8 {Test Data [Keluar Loop] }