

Problem

How to fit code block in width of a paper, and split long listing into a few pages?

A problematic part:

An expected result is algorithm block splitted in pages.

Algorithm 1

```
print ("=====DATABASES=====")

import mysql.connector
import matplotlib.pyplot as plt

#mydb = mysql.connector.connect (
# host="192.168.1.4",
# user="user",
# password="passwd"
#)

mydb = mysql.connector.connect (
    host="localhost",
    user="user",
    password="password"
)

table = 'DUS_2014'

salary_f = []
salary_m = []
salary_fg = []
salary_mg = []
salary_fgSp = []
salary_mgSp = []
#list all databases:
cursor = mydb.cursor()
cursor.execute("SHOW DATABASES")
for x in cursor:
    print(x[0])
cursor.execute("use works")
sql_f = 'select CB41 from %s where B21="F"'%(table)
cursor.execute(sql_f)
result_f = cursor.fetchall()
for i in result_f:
    salary_f.append(float(i[0])/12.0)
sql_m = 'select CB41 from %s where B21="M"'%(table)
cursor.execute(sql_m)
result_m = cursor.fetchall()
for i in result_m:
    salary_m.append(float(i[0])/12.0)

edu = "G3"
age="30-39"

sql_fg = 'select CB41 from DUS_2014 where B21="F" and B25="%s" and B22_CLASS=%s' % (age)
sql_mg = 'select CB41 from DUS_2014 where B21="M" and B25="%s" and B22_CLASS=%s' % (age)

cursor.execute(sql_fg)
result_fg = cursor.fetchall()
for i in result_fg:
    salary_fg.append(float(i[0])/12.0)
cursor.execute(sql_mg)
result_mg = cursor.fetchall()
for i in result_mg:
    salary_mg.append(float(i[0])/12.0)

sql_fgSp = 'select CB42 from DUS_2014 where B21="F" and B25="%s" and B22_CLASS=%s' % (age)
sql_mgSp = 'select CB42 from DUS_2014 where B21="M" and B25="%s" and B22_CLASS=%s' % (age)
```