

# Game of life User manual

1. biruk.bekele.rar contains

- a. A directory Golbiruk, containing package golbspm which contains 12 Java Classes
- b. Golproject-report.pdf
- c. Usermanual.pdf
- d. skandium-1.0b2.jar (Skandium framework)

## 2. To Compile and run on local machine using Eclipse-IDE

I. Import the project into Eclipse.

II. Import library skandium /skandium-1.0b2.jar

III. Compile

IV. To run: from the menu chose run→ run configuration→ in the

argument tab insert **type** , **Matrix-size** , **seed input** / **without seed input** , **if seed input** **no of seed**, **no-Generation** , **no-Thread**.

press enter

a. **for sequential type:-** Type =1 ,matrix\_size , user input seed press 1, without seed press 0 , If seed input type no seeds , No-generation

Example:-1 16 1 400 4 with seed

1 16 0 4 without seed

b. **For Java Thread** :- type =2 , matrix\_size, user input seed press 1, without seed press 0 , If seed input type No-seeds , No-generation ,No-Threads

and press enter

Example: - 2 16 1 400 2 4 with seed

2 16 0 2 4 without seed

c. **for Skandium Type:** type =3 , matrix\_size, user input seed press 1, without seed press 0 , If seed input type No-seeds , No-generation ,No-Threads

and press enter.

3 16 1 400 1 4 with seed

3 16 0 1 4 without seed

If you want to see the value of the original matrix and generated you can uncomment in class Goabaord of method **play()** uncomment **display** and inside method **swapplDsil()** uncomment **display** for Sequential and Java -thread version. For Skandium version uncomment **matrix.print(p)** in Cond class . In-case of *it in the remote machine*

*open the java file with: nano Golboard.java ,nano Cond.java*

*Edit or uncomment the code. And save it. Or Ctrl + x then press y.*

## To Compile and run on Xeon PHI (remote) machine :ninja

### I. To copy the project type:

`scp -r path_to_ / Golbiruk/src/golbspm your accountname:`

Example:- `scp -r /home/biruk/Desktop/golbspm spm1523@ninja.itc.unipi.it`

or if you have filezilla you can copy by connecting to you account to the machine

### II. To compile the project

a. Type: `javac -cp /usr/local/Skandium_path/skandium-1.0b2.jar  
/home/youraccount/golbspm/*.java`

Example: `javac -cp skandium-1.0b2.jar  
/home/spm15023/Desktop/golbspm/m*.java`

#### **arguments to run**

A. First one is Type seq =1 , Java =2 skandium =3

B. matrix-size

C. seedon/off 1 = on 0 = off

D. if seedon =1 then then NO-seed

if seed on = 0 no need to enter no seed

E. No-generation

F.Thread -no

### III. To run the project

Type: `java -cp /usr/local/Skandium_path/skandium-1.0b2.jar:`

**golbspm.Main including the arguments**

eg. `java -cp /usr/local/Skandium_path/skandium-1.0b2.jar:`

`golbspm.Main 2 16 1 200 2 4 with seed      Java-thread versions  
2 16 0 2 4 without seed`

`3 16 1 200 1 4 with seed      Skandium versions`

`3 16 0 2 4 without seed`

`1 16 1 200 4 with seed      sequential version`

`1 16 0 4 without seed`