**Programming a Planned Picture**

You will code and draw the picture you drew and showed to your teacher on the given grid. The picture assignment should demonstrate your understanding and skills learnt in the programming unit so far including:

* + Graphics using Java
  + Variables, Input and output
  + Selection (if, else, else if)
  + Repetition (For, while, do while)
  + Animation

Your picture should include the following in addition to your won creative and programming skills that you would like to demonstrate:

* Draw a picture using Java graphics using minimum of 20 different type of shapes with your creative drawing, designing abilities)
* Prompt and get the user to enter information and output an appropriate message
* Demonstrate your knowledge of selection by executing a command based on the user’s input (example: do you want to see the car move or a bird fly)
* Demonstrate your knowledge of repetition by having a meaningful repetition of commands that repeated do the task
* Demonstrate your animation skill by making something move.

Evaluation rubric:

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| **Category** | **Description** | **Marks** | **Out of** |
| T | Well planned (grid drawing) |  | 5 |
| KU | Graphics (10) 10 diff. shapes  I/O/Variables (3) at least 3 |  | 13 |
| A | Selection (4) if, else, else if  Repetition (4) all loops  Animation (2) |  | 10 |
| C | Style |  | 2 |
|  | **Total marks** |  | 30 |

In the space below, **draw and color** a picture for **homework**, with a minimum of 20 shapes in total. Once your drawing is complete, get is signed by your teacher, the program the computer to draw your picture. Save as Picture\_yourName.java

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