# Programming 2 (Java) 1st practical exam

Create an application to register network printers of PTE MIK.

Types of registered printers and their properties:

* Heat printer: model, IP-address, print speed (page/minute), paper price (Ft/page)
* InkJet: model, IP-address, print speed (page/minute), paper price (Ft/page), cartridge price (Ft/piece), cartridge performance (page/piece), number of cartridges
* LaserJet: model, IP-address, print speed (page/minute), paper price (Ft/page), toner price (Ft/piece), toner performance (page/piece), print temperature

Description can be created from printers (toString) which contains the type, model, IP address and page cost of the printer, and depending on the type, the toner price or the cartridge price and number.

For example:

* LaserJet ([Samsung SL-M2070W](https://www.alza.hu/samsung-sl-m2070w-d456145.htm)) [192.168.0.1] page cost: 22Ft/page, toner price: 9654 Ft
* InkJet ([Epson SureColor SC-P800 A2+](https://www.webaruhaz.hu/epson-surecolor-sc-p800-a2-tintasugaras-nyomtato.html)) [192.168.0.2] page cost: 13Ft/page, cartridge price: 3456 count: 4 pieces
* Heat (Memobird GT1) [192.168.1.3] page cost: 45Ft/page,

Calculate the print cost of each printers from the following components:

* Page cost
* (cartridge price / cartridge performance) \* cartridge count
* Toner price / toner performance
* Model dependent base cost

Create an application to register any number of printers. Registration can be done by the user with the console. (numeric values can be random)

After registration of printers, list all items, then find printers with the cheapest print cost.