|  |
| --- |
| **Input** |
| Manufacture HouseholdRobot Cortana 30 50 6  Chip Cortana 3  Sell Cortana John  Manufacture PetRobot Alexa 20 40 5  Chip Alexa 3  Work Alexa 1  Manufacture Lion Cortana 30 50 6  Polish Alexa 4  Charge Alexa 6  History Chip  Sell Alexa John  Exit |
| **Output** |
| Robot Cortana registered successfully  Cortana had chip procedure  John bought robot with chip  Robot Alexa registered successfully  Alexa had chip procedure  Alexa was working for 1 hours  Lion type doesn't exist  Robot doesn't have enough procedure time  Robot doesn't have enough procedure time  Chip  Robot type: HouseholdRobot - Cortana - Happiness: 45 - Energy: 30  Robot type: PetRobot - Alexa - Happiness: 47 - Energy: 14  John bought robot with chip |

|  |
| --- |
| **Input** |
| Manufacture PetRobot Siri 100 50 100  Manufacture HouseholdRobot Alexa 50 40 80  Manufacture HouseholdRobot Sophia 60 40 60  Manufacture WalkerRobot Cortana 10 20 15  Manufacture WalkerRobot Cortana 10 20 14  Manufacture InvalidRobot FalseName 20 40 15  Manufacture HouseholdRobot InvalidEnergy -20 40 15  Manufacture WalkerRobot InvalidHappines 20 -40 15  Chip Cortana 10  Chip Cortana 10  Chip Alexa 10  Chip Sophia 10  Rest Sophia 10  Rest InvalidName 20  Work Siri 20  Sell Siri John  Sell Cortana Alex  Sell Invalid Name Alex  Manufacture HouseholdRobot Koly 10 20 13  Manufacture PetRobot Willy 43 20 100  Manufacture WalkerRobot Jack 10 34 55  Manufacture HouseholdRobot Fast 80 20 14  Manufacture WalkerRobot Zoom 22 12 90  Manufacture PetRobot Spider 50 60 100  Manufacture HouseholdRobot Robot010 10 44 50  Manufacture WalkerRobot Oliver 35 55 10  History Chip  Exit |
| **Output** |
| Robot Siri registered successfully  Robot Alexa registered successfully  Robot Sophia registered successfully  Robot Cortana registered successfully  Robot Cortana already exist  InvalidRobot type doesn't exist  Invalid energy  Invalid happiness  Cortana had chip procedure  Robot doesn't have enough procedure time  Alexa had chip procedure  Sophia had chip procedure  Sophia had rest procedure  Robot InvalidName does not exist  Siri was working for 20 hours  John bought robot without chip  Alex bought robot with chip  Robot Invalid does not exist  Robot Koly registered successfully  Robot Willy registered successfully  Robot Jack registered successfully  Robot Fast registered successfully  Robot Zoom registered successfully  Robot Spider registered successfully  Robot Robot010 registered successfully  Robot Oliver registered successfully  Chip  Robot type: WalkerRobot - Cortana - Happiness: 15 - Energy: 10  Robot type: HouseholdRobot - Alexa - Happiness: 35 - Energy: 50  Robot type: HouseholdRobot - Sophia - Happiness: 32 - Energy: 70 |