

Expert Systems

Place the letter of the term that matches the description on the blank in front of the number.

1. This is to represent the knowledge of a human expert in a useful way.
_____ A. Explanatory Interface B. CLIPS C. Knowledge Acquisition D. Purpose of an Expert System
2. Rules which are not derived purely from logic but are derived from the experience of a person.
_____ A. InterModeller B. Applications of Expert Systems C. Heuristics D. Inference Engine
3. This is a program that has access to a large database of knowledge about one particular topic.
_____ A. Applications of Expert Systems B. InterModeller C. Disadvantages of Expert System D. Expert System
4. Extracts facts and rules from human experts and put them into a form that the computer is able to understand.
_____ A. Knowledge Acquisition B. Disadvantages of Expert System C. Knowledge Engineer D. Rule Base
5. This is used to ask the questions to the user.
_____ A. Purpose of an Expert System B. Explanatory Interface C. Disadvantages of Expert System D. Expert System
6. A piece of software which does the searching of the knowledge base.
_____ A. CLIPS B. Inference Engine C. Advantages of Expert System D. Knowledge Engineer
7. It attempts to design software that behaves in a way which, if it were human behaviour.
_____ A. Artificial Intelligence B. Inference Engine C. Heuristics D. Advantages of Expert System
8. The process of obtaining the facts and rules from one or more human experts.
_____ A. Expert System B. Knowledge Acquisition C. CLIPS D. Rule Base
9. Can be copied many times; consistent in decision making; contains knowledge of more than one person.
_____ A. Advantages of Expert System B. Explanatory Interface C. Applications of Expert Systems D. Knowledge Engineer
10. Expensive to create; cannot skip terms or use common sense like humans; inflexible; may contain mistakes.
_____ A. Knowledge Base B. Knowledge Acquisition C. Applications of Expert Systems D. Disadvantages of Expert System
11. Part of the knowledge base which is made up of all the rules known to the expert system.
_____ A. Explanatory Interface B. Advantages of Expert System C. Purpose of an Expert System D. Rule Base
12. C Language Integrated Production System
_____ A. Eliza B. CLIPS C. Knowledge Base D. Expert System Shell
13. Written in 1965 as an experiment to find out if computers could be programmed to make human conversation.
_____ A. Expert System Shell B. Knowledge Base C. Eliza D. Inference Engine
14. This system shell can represent logic in a number of different ways, including forward and backward rules
_____ A. InterModeller B. Expert System Shell C. Disadvantages of Expert System D. Artificial Intelligence
15. Medical, Waste Disposal, Geological, Archaeological, Car Mechanics.
_____ A. Inference Engine B. Applications of Expert Systems C. Heuristics D. Rule Base
16. The facts and rules of an expert system.
_____ A. Expert System Shell B. Knowledge Base C. Explanatory Interface D. Eliza
17. The program uses special programming languages to compare new information with its knowledge base.
_____ A. Advantages of Expert System B. Artificial Intelligence C. Expert System Shell D. Inference Engine