

- @Algorithm
- 1 Data Structure
- @ Discreate Halfimatics

Computere Priogram: Priogram a language.

computer

: million no of nwitch

□□□□··□□□□□ > starts when all are 1.

00 + 000 language.

2+4 = 6

Machine language: 3 types -> 1. Low Level: Machine Code 1001

2. Mid ": 1001 - ADD JASSEMBLY a High ": GUI MUL Janguage

ADD [translaton 1001

Corraphical Usen

Coneplace sta + -x/ > Mid lavel language.

command preompt : keyboard free news 200 are orar =0 1

compilers bytecol

computer think and four - Antificial Intelligence.

Data Structure: BFS -> Queue -> FIFO prs > Stack - 4

I wyfatr overca

Advanced Algo Ly A* Search

LIST L

O Bag, — pendicive

O Lunch

O Industrial

attachment

O Centificate

Ø 4500

Swww.tutorialcove.com LAntificial Intelligence

Tindustrial Android: www.samgap-ict.

40 days.

Academic | Roboties | Bio metrices | Brain image processing computer interfacing | Data minis (Bioin formatics) | Genetic Enga

09.05.18.

Definition:-Artificial Intelligence is a branch of computer science which concerned with the design of Intelligence in an artificial device.

Diserrete Mathmatics: Rules for Inferience.

Ex: Nodi is a Student of BAUST. Nitu is " " " " " ".

classmate (Nodi, Nitu).

All man is montal, Medha is a man, Medha is montal. Y man (Montal) 1 man (Medha) -> Montal (Medha).

There are idea in the tenm of Antificial Intelligence.

DAntificial -> Antificial device.

OIntelligence.

Intelligence: The ability to acquire, underestand and apply knowledge.

Ability to exercise thought and veron. (rusoning)
Properties of Intelligence . System:

D'An intelligence roystem expected as behave as likely human.

12 An intelligence system expected as possible best manner

Types of AI Problem: Two types of AI Problem.

Ocommon place task

@ Expent System tasks.

		0
	O Common place task: Image processing	
	A Human recognition, recognizing object.	
	(B Communicating (through Natural language)	
	@ Navigating around obstacle street.	
(DExperit System task:	
	@ Medicle diagnosis	
	Solving Mathmatical P	
	• • • • • • • • • • • • • • • • • • •	
	AI are not?	
	1) Read Human mind	
	Application of AI:	aper.
	(1) Spead of Spead of As	
	Recognition Signal Pro	ocessing
	(SSP) (W) Avial: (SSP)	
	Aviation ex: @ Auto Pilot.	
1	D'Aviation. ex: @ Auto Pilot. @ Ainenaft ausing speech con Otelecommunication System.	imand.
1	660	
Su	ib Anea of AI:	bondhu-1
	1 Machine Leanning.	satellite
¥	@ Natural language processing.	
	Signal processing.	
71	(W) Robotics.	
	@ Perception: vision & speech Understanding.	
	(Reasoning and decision Making.	
	1 Recoming (India a Contrability)	
	1 Reasoning. (logic / Probability)	

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Owhat is AI

1 Application

(11) Sub Arrea of AI.

knowledge : sknowledge is a familiarity with someone or something which include fact, Information, Description on skills, acquired through experience on education.

in It can refer to theoritical on Practical skills in a subject (implicit, explicit).

ii) act, fact, state of knowing.

Belief: Belief represent any meaningful expression that is justified true.

Hypothesis: A justified belief that is not know either true or conferm) false,

If p then q

if (x>y)

printf ("x is large number");

(" y "

knowledge

- i) Apu is tall
- ii) x loves y

i) Bangladesh is a developing country. financial

Exprussion

- ") An attribute possessed by a student.
- ii) a complex relationship between two person.
- iii) an economic states of a country.

Types of knowledge: O Declarative knowledge procedural 1 Procedural THE PROCESS (ii) Heuristie tollow and ma 1 Epistomology an bial galassa fi M म लारह। @ Meta int main { O Declarative knowledge: Knowledge express statement Create table C1 fact about the word. 4) non-procedural I am a boy. We are student Procedural knowledge: knowledge represent step to solve a (11) Heunistic knowledge: A special kind of knowledge to solve a problem. (WEpistomology knowledge: Epistomology is one kind of way to express nature of existing knowledge. @ What type of knowledge 10 How efficient of this @ What necessary of " Meta knowledge: knowledge about knowledge. What knowledge we know? We are expert about computer science. Loub O Uniformed Search 1 Informed Sowich 1 BFS 1 DFS 1 A* Algorithm 1 Grame playing @ Dest first Search # 8 Queen Problem (11) Heuristic Function. 3x3 4x4 Puzzle game

AI Programming Language : (Prolog. (reasoning, logie) @ C++ 3 Java C=R @ Python (5) LISP (List Processing Language) 18 79 - 18 1 PASSES The second direction in which is to be a first Property of the state of the And the property of the second AND AND A