Exportment - 26 Exparament - 27 Write a prolog program do num to stur 8d A rop morgary paking a study Integeros from 1 to n. Name, DOB. AIM: To sum integers from 1 to n. AIM: TO A DO WITH NAME, DOB wing Pysion. ALGIORITHM : PROGRAM: 1. Sum (N) Remot):de (jan, date (1990,5,17)). det (3000, date (1985,12510)). 2. NTO, N & +12. dol (Dol, date (A78, 2,28)). 3. NI or N-1 ) V. Decrement N Suy) 4. Sum (N), Subspecient), % Recurrice cast to sum independent del (sues date (1995,8715)). dol (tomodato (2000, 4,27)). Sookup (Namo, DOB):-IN at 1 mark 50 paret in N + Sub-Rougt. der (Name, DOB). example quory: Docket gord Doc. PROGRAM: ? - Sookup ( jan, DOB). Sum (0,0). % Dove care: vuma o in 0 DOB = dots (1990,5,1). ? - Dodruk ( Suo, DOB). Sum (N. Sum) :- N70, DOB = date (1995,8,15). N1 82 N-1) output: Sun (NI, Sun) 18- coag downstory (10:170 pordag/scome -cody) Sum & sum (+ 12). ? - Sum (s, Sum). LOY 13 - [KP1] Sun=15. 3-Sum (10,5um) 12-guil (Prisa) CUTPUT: Xex 12-900 (Janani). Sum=55 12 - con-code ( preyo). RESULT: RESULT: Town, the program was excubed

Successfully.

Thus, she brogram was executed Successfully.

Exxoriment - 28 Write a Priday Priagram for STUDENT-TEACHER-SUB-CODE. To gird the Student toaker code AIM: PROGIRAM : toacher (your, moder). toader (gane singless). teader ( for , science). teaser (sue, sustany). teacher (tom, wit). taker ( oblice, mote). Labor (white). Colingra, color, color. Hales ( Solo) scence). taker (care, sistory). taker (cord, ort). takes (dave, mater). taken (dane, erguisa). told (done out). toaking - subjects (Toaken, Subject):-London (Tendon, Subject). taking-students (subject, student):takes (student subject). ?- taking - subject ( jon , subject ). subject = mote. E - Loving - Students (Science, Student). student = soice : student = Dol.

% startes operty; gird students taking moter tro por ? - taking - students (moter student), taking - students (ant) student). donal som the notice a less, the Output. the energy working of student = slice; -301 (ASS. 1844) to 10 student = dane; student = card. Heres & S. Daton as y the 31 Charles the the work they all and a find enables and less to the state of the same of the same College Bushapa more of the case of some of so the word ( Mar & Court of March ) had a serie of the series to so high water you a min the est the and to decided by an indian

RESULT:

Home powers Program for STUDENT-TEACHER-

was been all some

White a Purdog program for PLANETS DE

Darat (morenay, rocky, small, sot, closet-to-sur). paret (worms, ready, small, and, 2nd-clorest-to-Sui) Dand Courte, really, madeum, temperate, and Bored - Sun planet (many, newly, snow, cold, 449 - Robert - to-sur) Donat (Jupiter, voody, gar- glat, Songe, 549-0000) planet (saturn, ga-gent, large, cod, 642-Dout-Sin)

Darst ( warmy, ice -grant, large, cold, 448-Obott-Sun) Donet (nexture, ice-gient, large, cold, 849 - Overt).

planet - proporties (name, Type, SPge, Temperature, Mand (Name, Type, Sing, Tomporodura, Poultion)

? - wand - properties (courts, Tyre, size, temporature)

Typo = oracey, Sing = medium,

the little = goo \_ about \_ sun. of any quary: find gos glow Temporatura = temporato,

? - poot - proportion (name, gar - got, -, -, -).

name = greetay

Name = saturar. ? - parat propertie (Name, -, 3mole, let, -).

# tugtus

wame = morcury pand = vonus; Name = moors.

### RESUCT.

Town the tenogram for PLANETS DB is Lone ruccerfully.

translaping of margaray so stirely Towers of Hanes

## PROGRAM:

?- mare (3, Delt, orders, contact). more see top dak from light so segre notes at the work fine hat act and More the tak this gion right to water though set the north list set are even the set rates may him yet set sen more so take from coster de right now the top disk from left to sight true.

#### OUTPUT .

? - Sand (3,1A1,181,1c1)

Tous will notice Towers of Hand for 3 die Source pag > A auxi lary reg > B target you > c.

RESULT

Thus, do alone program was exembed Succenfully.

Exportment -31 Write a probled poogram to prent OUTPUT: exarticular hind can bly ion not. Incorten you was the way of the 1 % = parat (x, % m). required guerry. x = pot ?roted = x PROGRAM: Oud (outries, cornet - Sty). Xex Sold ( worgen, cannot - fly). mother CXXX). Dod (King, carnot - Ry). X = pan Dord ( 200gle, en-gry). Y = 000 ? 3 Avid ( piggon, con-gry). x = pat Stored ( sparrow con - gry). y = jim ?; ca-ges (ergg):-12 - Darada (x). Stird ( Bilid) can - gly). x = pan? ?-con-gly (songle) x = stom ?; true. ? - von - gey Costorios. Julie. ? - Sind (Bird, carnet-gly). Bird = ostrige Bird = paguin; Bird = Kiur. ? - Dig Courds con - Dy. Bird = sage; RESULT. Bod = piges Bird = sporter. botweek your margary golary ask (sult Successfully.

Experiment: 32 translating at margard palarel set stirch Jamely tree Par, 189, An and Pat are gendle, Waite Tom, Bot and Jun are make tornary Using this fifte or, define Is John "notton" infed .: (nottoler Bruestage infect .: restable "rodate" out infect . " gradaler" relation: o'the "graduate" affet . reitalor "roteis " suged . : roitalor . nottar! 'radar? " PROGRAM: Jamale (pam). Jamale (lig). Jemale (ann). Jemale ( rat). male (ton). male (sa). male ( gin). (good (tom) storage . ( sod most) transf · (Eng Cueda) person porest from, and. posent (Sod, arr). parent ( Sol, pat). barent ( Dez fin)

mother (X,X):-Jamale (D) the same water parest (x, y). Jator (XX):cas som Ckx) torox gradmoter (X) Y):gende (X) aradlas (xxx): mode (xD) sister Cx YX: gende (X) The text of the second section of the (X/2) trovad the free of the layer in the Broteen (x, Y):mole (X) K) = Y = 1 1/6 has a large " (1) 1 1 call: carget (state (adder or floor, atwindow, Sannet): Output: 22 coll: more (state Catalia, or peop atuander, -52, -92)? 7 4 Exst : corps (state (middle orbox mæddle sonnet))? RESULT: Town margary polary set, such executed successfully. The said the said of the said made has some it is

The Eld of an down &

Ex portiment-33

Write a Rudge program to ruggest Diet of System Stared on Discore.

## PROGRAM:

Joed (apple, Junt, Sweet, Dow-Coloris).

Jood ( Sorara, Just, sweet, 2399. - alone).

Jood (corret, Vegetalle, Sovery, Sour-colore).

Joed (rotate) regetable, surony sign - abord).

Joed ( Steller, most, gavery, sign - youtein).

good (July, seafeed, somony, sign -protein). Jod (grinar, vogetalle, sovery, sign - înoi).

Jod (Domende, nut) sowery, sign Jot).

dot ( Sant-diene) [apple, carriet, carda, fuit almod)

det (dialeter) [ copyle, correct, flit, spiral, almord]

List (anama, [ spiroa, colictor, guit, almorde]). List (ossesty) [rappo, cornet, Jut, spirace]).

Suggest - diet (Dissour) Diet):-

. ( لمقلكم و علمقسل ) لمقيل

Suggest - diet (Dareous Diet):-

List (Specie, Assent Food)

Skropal ( Food) (Sood ( Food) -) -) nontre

(Food, Assent Foods)), Dict).

% quary: Suggest - diet (soort - disease, Diet).

% Expoded output: Duet = [apple , correct, chila, fat]

%. query: Suggest - dist (avorda) Dist).

\* Exports a auditat : Dist = [ spinos of classifity strongs]

% Query: Suggest-diet (overty west)

[Borres Life town) adapt : Diet: Diet : [copped out of the spiral of

OUTPUT : 100 months

? - Suggest - List (Separation) Diet Suggest (on).

Duet Suggestion = V DASH (Dietary Approved to stop

Hyparlary of diet. Forus en July, vegetables, Walls grains, son pristains, and Sour-lot during

products. Limit sodium, saturated for, and odded Sugar . The estate of exclavery to shall be made

of the most that are the second to a to

and so William the wife on it

to we rate to most

and the second second

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to do tet it want

O'SHE'SO I THE O'S O'S

RESULT:

Thus, the predest program was accorded

Servery Co

Exparament: 34

White a Rudog program to implement Mentey Barara Prothem.

## PROGRAM:

% Dogue without state and giral state withou - state (state (at-door, on- groon, at-window

· Crotos - tan - roc Jural - Stade (State (-,-,-, Day - eater)).

adter (State (at-deer, on- gloon, at-windows, Dar, not

eater), Demb, state (at-window, or-gloss, Sar-ater

actor ( state (at - wirdow, on - window, at - wirdow, Soz-net-oder), Dino, state (at-does, on whiden at the

. ((notes - ton- roce

-acter (state (al-middle, on-grown, at-middle, sor-eater) walk, state (at-door, on-groom, at-door, low-eater)

execute - actions (-, [], find state): - find - state (find that

escute-action (current state, [Action] roll, Finalstate);

action (compatitate, Action, Next state) sociate -getPerz (Next state, Rest, Find state).

-: (the north markery - and e

( Coto C Initial Hade) Soude-order (Inited State, Action Wit, Findst)

Cotors Cours) otate - Con State

% query: some - problem (Action list).

Exported orders: Admist = [dind, grack, sino, wolf, graf]

COTPUT:

1 trace y

13-300Y) 2LY.

11 (000: 2(1)-23)?

22 000 : 143?

22 Exit: 1487

11 Exit: & 600?

31 600/ 2607

11 Fait : 3(15-23)?

C46 mi) no or land was you Especial of the Control of Control

Middle Ostonic to 184 604

( the South and a state of the state of the state of 1. troop and booker 4 3 and

I not a star service

RESULT:

The prodog program was excuted

Successfully.

transaction as margard polaris a still Both Furt Dona algorithm. some your tragent source mand Cros spor is a ref [1] = export de lest of-s (actual-sne, target, n): n + [alok] = botine pay = priority anous () (Constant (Co) radial -sore) walls pay . smpty 0 == Falso: [1] () top. pop = w : toprot == u li : [u] Rypry no s,v rok : except = Cv3 bot in fi . sureT = [v] bother. (CC) Stude (CC) del oddedge (x, y, cost): graph [x]. append (cy, cont)) (Ctro) (X)) broader [X] reprog addedge (0:355)

Exparament - 37 Margo the banged bredson for Hadrey addedge (3,8,7) addodge (8,9,5) addadge (8,10,6) PROGIRAM . addodge (9,11) rism transformer addedge (9,12,10) guets, aras rayo rddadge (9,13,2) C Saures - : () rune Source = 0 conside :: brit () target = 9 Det - girit - sourch (source, target, V) Succeed (). domains: Whose will Justice juridication = Symbol Cyclent: Potiet , name = storing . 013289 Productor Caroant, Course Jucobayus Symptom (rano, indication) Texpo everyor Camps Come How I I'm a form would ("weat is patient rano?") readen (Patient) Supposeres ( patient ) Disease) In ("" carolag "kao planter q" chaiter Johnes (In (" of old se ot man that I word?") about RESULT: . Or, (". swalls stangert ") strew between som morgang polared set church -: (revet, treiting) motornes ("S (U/K) was a sook " short of (N/W) 2") Successfully rankonso ( Roply) Rappy = "Y".

Symptom (patient, seaduse):-West ("Does", potent, " some a loodada (x/n) , (places) shopping Rody = 1x1. -: (son-ynur (braited) notgryc White ("Der") patien, " Done aconjunti it er (N) ( ( golds) snother Rophy = "X". -: (strake - rollowe traited) motymus Write ("Doer " pottert," some -a sudden-gloor (yIng) Joseph ) swadroe Robby = "x". -: (ration, traitor) insolvery Symptom (patent, gever), Sympton (Podpet, cough), Symptom ( potront) conquestrite 2) Sundan (pation) runny-real) . (Rest traited) notange -: (blos - ratiot), common - cold):-Sympton (Potiert, Sandade), Sympton (patients vinosigia), (celles, cresters) notange symptom (patrents owny-now),

-: (xay-record, coader yes):-Cravel, bedog moderny ( ( stack of the company Symptom (podfat, Dody-ada), . (Peror, the story) notymus. -: ( robban chartes) - inallayer (Repres of the Hory) marketiles Sympton (poblet, storging) Sumptom ( rodient , owny woo). rankono (Rapay):raddon (Guldan) raddon Note (poply), nl. and implement main loop manexe:: vun (mai:: vun). autput: . (Ato if is some - time-trade-?

RESULT: There, the knowing program for reduced organing polifinansur botusous rows

(Reg . 1) 100

Exparament -38 Ex your mant -39 Write a Pridog Priogram for forward Wille a Presid progen for Inchured Daining. Incorporate required querier. coaring. Incorporate trapursal species. PROGRAM: PROGRAM: Stack ( Rengues): - connet - 80. Divid ( pargues) :- carnot- Ary. Sind (angle): - (an - 3/2). Sind (sagle): - con - Sty. 7 Mariani a carnot - Dy. carret - Jey. con- god: - 9002 - wings. con-gly: - Daz -wangs. with all it Dan-Wings. Day\_wings. Sper (x): - Dod (x). . (x) Light (x) :- (x) refer ugar (x):-co-gy, x=000 wor (x):-comot-80, x= xorguir. % Example querier ? - woor ( Porquer). ? - wer corow). 80 m. 40 8 - wor W. ? - wfor (sagle). ? - wor Corow). ENTPUT: . bevorg the exact: through But to the particular of the same they were day you are were your RESULT: RESULT . beilg ray gradert sond sond. Here Drack tracking would SAL SALLA

Exportment -40 Create or Web Bed using word prous to demonstrate Andor Tog) Tutle Tag) ste... To me was log log log when regrand AIM: PROGIRAM: \( \text{Si} \) (a \text{Sig} = 1) # monutally - (5000to - and on - \text{Sig} - \text{Sig}) Wordpress "> How to monday croate Ander linky (Si) ca (sug = " # moder - Sinher - Wordproser - Polinger"> in wordpress clas 2/927 How to records Ander will in wordpron with a shows in worderess with butchery (10> C/Sh) 2/W/7 Los ca org = "# mounday-orado -andor- say-2017 wordpress! > How to nowally coaste make was in wordprose Mas L/ Dis (Di) Ca and = 11# wead - Sinder - Wordpress - Pluga How to goote Andre way in Hordpron with a 152> La Dref = "# wood - Disez - wordpren - guto noo stru marquireu in salvi racona sterio at mot outabag Lla > C1927. 2101>

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