Task 2: - Implement conditional, control and lagging statements was

Him: - 10 imporent confilarly control and cooping Statements using Pothan.

a) you are developing a simple grade maragement system for a school. He system reads to determine the goods of a student based on their score an a test. He grading system bollows these rules;

If the score 's go on above, the goode is "A".

35 He score is between 80 ord 89, He goode is "B",

If the score is between ho and 79, the goode is "c",

If the score is between 60 and 69, the grade is "D.

If the score is below 60, the grade is f.

Alopoilthm:

1. stoot

2. bet the hourd mark from the user

3. cs. th the use of an of - eloc statement do

the mark = = 90 point goode A.

?? He mark is between 80 and 89 polint goods is.

* If the mook is between no and the point goode ic!

*39 the morrier's between 60 and 69 point growte "o".

* 39 the mooth is below 60, point goode "C"

u Stop

program'-

Score ="int ("input ("Enter the Score:"))

SC 2026 4500

polint ("The broade is A")

elif (score == 89 and score = = 80):

and roles of morphism to them the out put :-1. Etops. Restant C: lusers mored tegris of ison. Enton He Score: 60 100 gor hor many of . Express sty forday w The goode "RD. 5. epob. tugines andown several Brigger # ar dup (, where (, either the real wompen; ,)) ((": redness brosse sold resting") tog is day ? I day ((" inside (" Entron the This de number:")) A horozonia posical to constant beging (, lu laber of about designer.) (Osa) and (bec) ((sed) co (des)) Inday (Color (coo) Inday) (Cold) ton) today Thus, the Pathon porgoon to our Pathon Ecolop and rejected and south to as sugar soles are the don successfully and the outpart and more field.

pount ("The broade "s c") est (score \$ =69 and score = =60): Posi of ("The boade is D") else: pount ("The Golde is F") 20 /2/00/ : 0: /rootes 9 The Englown Looken or tend off barodaow; -Score: "int ("input ("Enter the score:")) of Score > =90: point (" The Groade is A") elif (score <= 89 and score >= 80); point ("The Groade is R") elif (score < = 79 and score 7 = 90): point ("The broade "& c") est (score <= 69 and score >= 100): point ("The Groade is D") else: politi" The Groade is F")

b. you are developing an educational program to telp Jung students loom about nodoral numbers, one of the Rodones of the program is to display the Rosel to restored numbers to the user: worke a Bython porgoom that uses a hor 100p to point the Bust 10 wayson nompose. offer the number: 5 Aldorithui - 1: vis s vi stigge o roquer out 1. stool 2. paper "The Rost to radioal numbers are! 2, note a per 1006 per decayed the uniques? u point the output? " edice to reduce of 5. slop. Baddam, -# sisplaying He First to radioal numbers. point ("The First 10 radoal numbers are.") bas i su souds (1/11); # 1006 pasou 1 po 10 point (3)

(" of express of : (a) a groups boro post star. ("a 2," stears) +1 out put! (" 7 Re (marade 18 F") Restant: C: | wens | arg The Rost 10 radoal numbers are: "morepais ((": score syl coly ("Erlor fre score: ")) 3 5 ("A 2° spood SATI) today 166 (score < : 8d ang smare 3:80); ("8 25 stores 977") 4269 1606 = 5 DE SOS PUE DE = 3 DESOS JULY 800 25 DESOS JULY 800 25 DE SOS 10 (") FC (") TEC (") 4.27 ((score == 64 and execus >= 20); ("O so opocon out.,) treed Lagory all " Les proposes of

e) you are working on a fooder for a Risardal application that involves callebration user input one of the requirements is to court the total number of digits in a given number.

Alpouthm!

5- point the autput.

1. start-2. get the input forom the user 3. convert the integer to string using star . Un use ten function to find numbers of digits.

Pougoan!
Bigit = ?nt (Input ("Entron the number:"))

stoing = stor (Bigit) # since integer doesn't have tend

count = len (storing)

point (" The number of digits "n", digit, "is; "count)

Result: Thus, the python program to implement conditional, control and working statements was done successfully.

VELTE	
NO.	A
PERFORMANCE (5)	-
RESULT AND ANALYSIS (5)	2
VIVA VOCE (5)	-
RECORD (5)	10
TOT/ :/0)	
SIC WITH DATE	(K)X.X

of the foregoing to the output in the orienters heres Restart: c: lusors/919791 Enter the number: 5 The number of digits in 5 in: 1 Restant: C: Juseus 191979 1 Enter the number 1255 see road good road a The number of digites in 55 is is supply of the kneet in napport in morphers. ". so seedner booker of teris sat") % 01 of 1 mood for # : (11); # saco us 1