1) A school needs to cheek if a shident passey
or Bailed. if morks greater than so then he
passes

a) s= 95

if s>= 50;

point ("The shotent possed in exam")

else:

point ("The shotent boiled in exam")

2) write a python program to swap the vaule of his voisable in two methods

A) a=2 b=3 $a_1b=b_1a$ $point(a_1b)$

a=2 b=3 b=3 b=a+b b=a-b a=a-b a=a-b a=a-b a=a-b a=a-b a=a-b a=a-b

3) write a python program to oreste a simple calculator. by using functions.

```
def add (a,b):
    rehm atb
    del sub (arb):
       rehm and
   def mul (arb):
      rehm at b
                                 Control Way
   def div (a,b)
     rehm alb
   a = 2
   b=3
   choice = +
   if Choice = = '+1:
     c = add (arb)
                           (5) Brock 117
     prive (c)
elif choice =='-1:
        C = sub (arb)
      print (c)
elif choice == 1 d!
      c = Mul(ab)
       point (c)
elit choice == 1:
      C = div (arb)
     point (c)
     point ("Invalid operator")
write a python program using expression (enchar
vosisbles, coulde the values of n wastable and
distance blu hus points).
```

ssey

X1, Y1=018. x2, y2 = 3,4 2- (x2-x1) x2 1) 0 0-2 b= (y2-4) + 2 9/6 = 6/4 prive (arb) C= (2+10) x a 0.5 print (c) \$ a,b, C= 1,2,3 a,b, c= ca,b paint (a, b, c) ho postom n hibracci sonicy 3) unte a program 1) 9=1 0=10 hos i in range (0): point (f, end = 1) n=F+S F=S 6) Implementing programs using hindring for Factions per bet (n): Pos i in some (1, n+1): sehin f I what below I done a = fact (n) print (a) stokes of to some the voters of 11 voteble

defearce We has pilled.

```
a) sulve the scientific problem usny
    conditionely and itorohis loops.
A) Def patt(n):
          has i in varge (1,n+1):
             har I in songe (it):
              Traint (1+1, end=1 1)
            print ()
     as potter
     Drived
     pott (s)
 find the lem and get of a given number
                                    6.C.D
              LUM
  4:12
  0= 18
                                  b= 18
  lem = max (12,18)
                                  While bl=0
  while True:
                                   aib = bia/1b
     if lem 1. c = 20 and lem 1. b == 0:
                                  print (a)
        breds
     lent = 1
  point (lem)
  Im plementing programe using stronger.
   5 = "MADAM"
                             S= "MADAM"
                              a= 5. count ('A')
   print (sc::-1)
                              print (c)
```