" programming"

* Lecture 5 x

* if Statement: - " Simple Case"

white aprogram to Cout the Sentence a number=100, only if the user entered the number 100.

- Program:

#include $\angle iastream>$ using namespace std;
int main()

{

int x;
Cin x x;
if (x = 100)Cout x "number = 100" x end x;
}

* if - else Statement: -

_ write aprogram to Cout the Sentence a number = loo » only if the user entered the number loo, and Cout the sentence a number ! = 100 » if any other number is entered.

program:

#include < iostream>
using namespace std;
int main() $int \alpha$; $cin \times \alpha$;
if $(\alpha = 100)$ cat = 100 < endl;
else cout < number = 100 < endl; $int \alpha$;

Write aprogram to print upass » only if the entered mark is greater than or equal 50, and print upail» if the entered mark doesn't satisfy the Condition.

program:

#include <iostream>
Using namespace std;
int main ()

{ float mark;
Cin> mark;
if (mark> = 50)
Cout << "pass" << endl;
else
Cout << "Fail" << endl;
}

- Write aprogram to print out whether the entered mark is Excellent, very good, Good, pass or Fail.

program:

include < iostream>
using namespace std;
int main ()

{ float mark;
 Cout < " Enter your mark " < endl;
 Cin >> mark;
 if (x >= 85)
 Cout < " Excellent" < endl;
 if (x < 85 && x >= 75)
 Cout < " very good" = endl;
 if (x < 75 && x >= 65)
 Cout < " Good" < endl;
 if (x < 65 && x >= 50)
 Cout < " Pass" < endl;
 else
 Cout < " Fail" < endl;
 }

* if else if statement: -- write the previous program using a if-else if statement.». #include <iostream> using namespace std; int main () } float mark; Cout << " Enter your mark" << end; Cin >> mark; if (2>= 85) Cout < " Excellent " < endl; else if (1>=75) Caut << " Very good " << end]; else f (x>=65) Cout << 4 Good" << endl; else f (x>=50) Cout < " Pass" < endl; Cout < " Fail" < endl; } write approgram to Read 2 numbers and Chase the Carried out operation (+,-,*,/) #Include < iostram> using namespace std; int main () { inta,b;

int a,b; Char op; Caut < "Enter two numbers" < endl; Cin >> a >> b; Cout < "Select the operation (+,-,*,1)" < endl; Cin >> op; if $(\phi ==$ "+")

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Cout < "Sum = " < a+b" \ n";

else if (op = = " -")

Cout < " difference = " < a -b " \ n";

else if (op = = " *")

Cout < " product = " < a *b " \ n";

else if (op = = " /")

Cout < " div = " < a \ b " \ n";

else is (op = = " /")

Cout < " div = " < a \ b " \ n";

else

Cout < "Select an available operation." < endl;}
```

* Switch Gase *

write the previous program using Switch Case.

include < iostream>
using namespace std;

int main ()

{ int x, y; Charop;

Cout < " Enter two numbers" < endl;

Cin > 2 > y;

Cout < " Select the operation (+, -, *, /)" << end;

Cin>>op; Switch (o

Switch (op) { Gse '+':

Cout << " Sum = " << 2+7;

break;

Cose (-)

Cout << " difference = " << x - y;

break;

Cose (x):

Cout « product = " < x x y;

break;

Case'/':

Cout < " div = " < x/y;

break;

default;

Cout < " Select an available operation." < endl;}

?