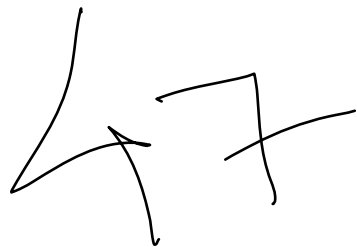


Let's solve it



Pointer to function

Each function's binary code has some memory where it is loaded and hence the beginning address can be stored into another pointer variable.

Such pointer variable are generally called pointer to function.

```

1000 int main()
{
    1005 fun1();
}

```

```

7000 fun1()
{
}

```

Function call
is like saying
and start executing.

}
Type C*fp+? ();
Create function pointer

goto 7000 address

Function name internally is
itself address of 1st instruction.

void display(int x)

{
printf("%d", x);

}

fptr

address of

some binary
code begins

int x = 7;

display(x);

display(5);

fptr = display;

(*fptr)(x);

void dosomething
(int y)

{

y++;

printf("%d", y);

}

(*fptr)(5);

fptr

= dosomething;

(*fptr)(x); // same as
display(x);

$(xptr)(n); //$

 \swarrow Display
 \searrow something

\Rightarrow double multiplication $(int, int); //$ Real fn prototype

 \int int $x = 10;$
 int $xptr = &x;$

\Rightarrow return type is of importance
double $(xptr)(p);$

 \uparrow I have not specified arguments
 \uparrow

$p1 = \text{multiplication}$

$int \ xptr2;$
 $p12 = p11;$
 \uparrow

```

double y(double);
double cos(double);
double table (double (xf),
double,
double, double);

```

```

int main()
{

```

```

    printf("table of  $y(x) = 2x^2 - x + 1$ ");

```

```

    table(y, 0.0, 2.0, 0.5);

```

```

    printf("Table of cos(x)");

```

```

    table(cos, 0.0, 3.14, 0.37);

```

```

}

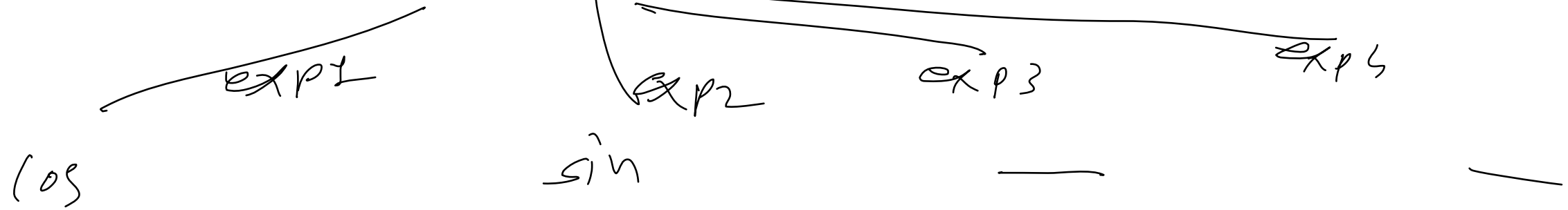
```

min (lower limit)
 max (upper limit end)

step

Research

Library function



multithreading

thread library
function uses

function pointer.

If the ~~for~~ actual argument to fA
is a function name fB,
What ^{another} should be the datatype of
this argument.

Function call

$f_A(\cancel{f_B}, 10, 20.9);$

prototype of

$f_A(\underline{\underline{\text{int}(x, y)}}), \text{int}, \text{float})$

$\text{int } f_B(\text{int } x, \text{char } y);$

AJAX
led

(callback function.

double f (double x)

{

return (2 * x * x - x + 1);

}