Sheet#2

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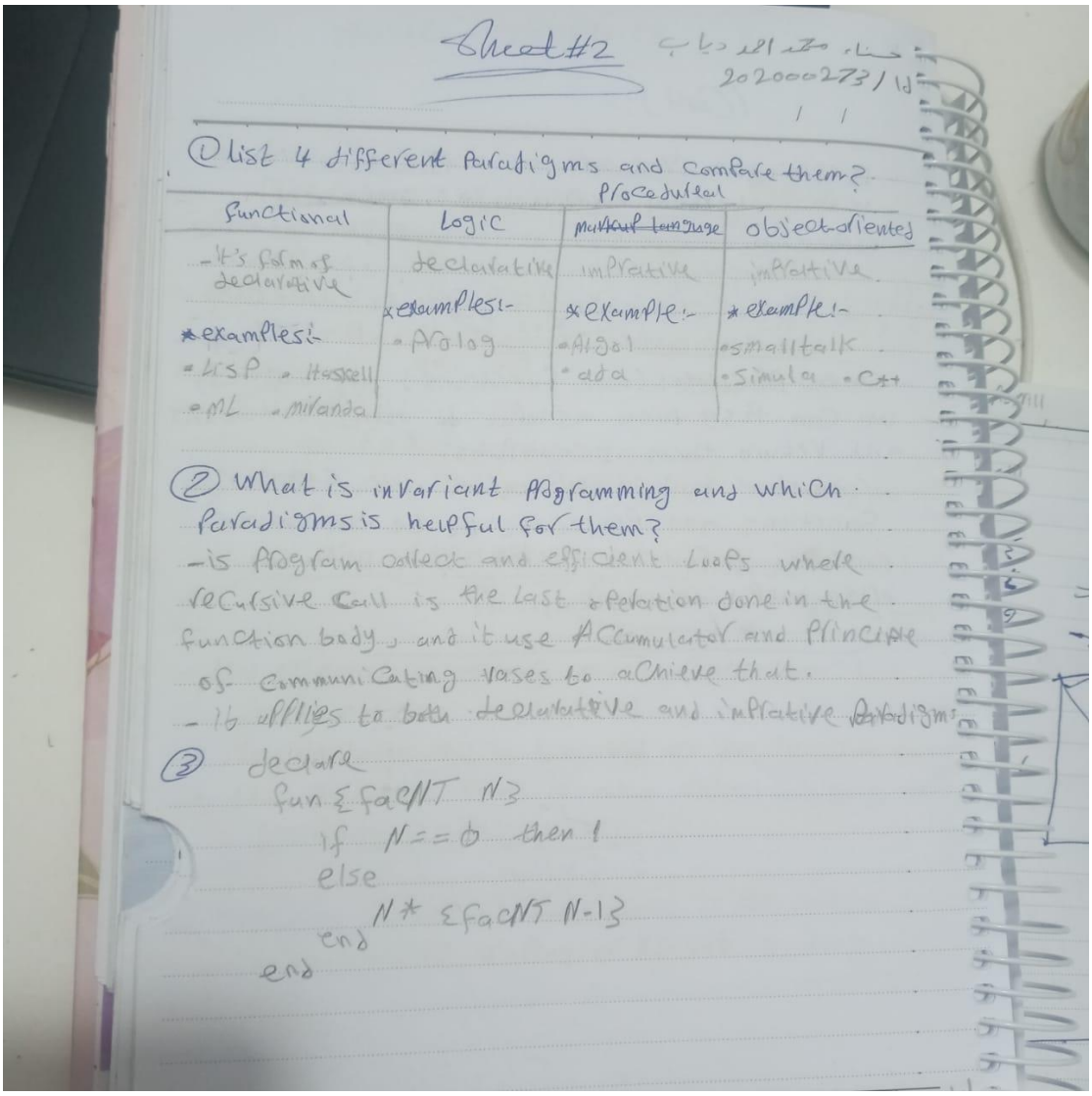

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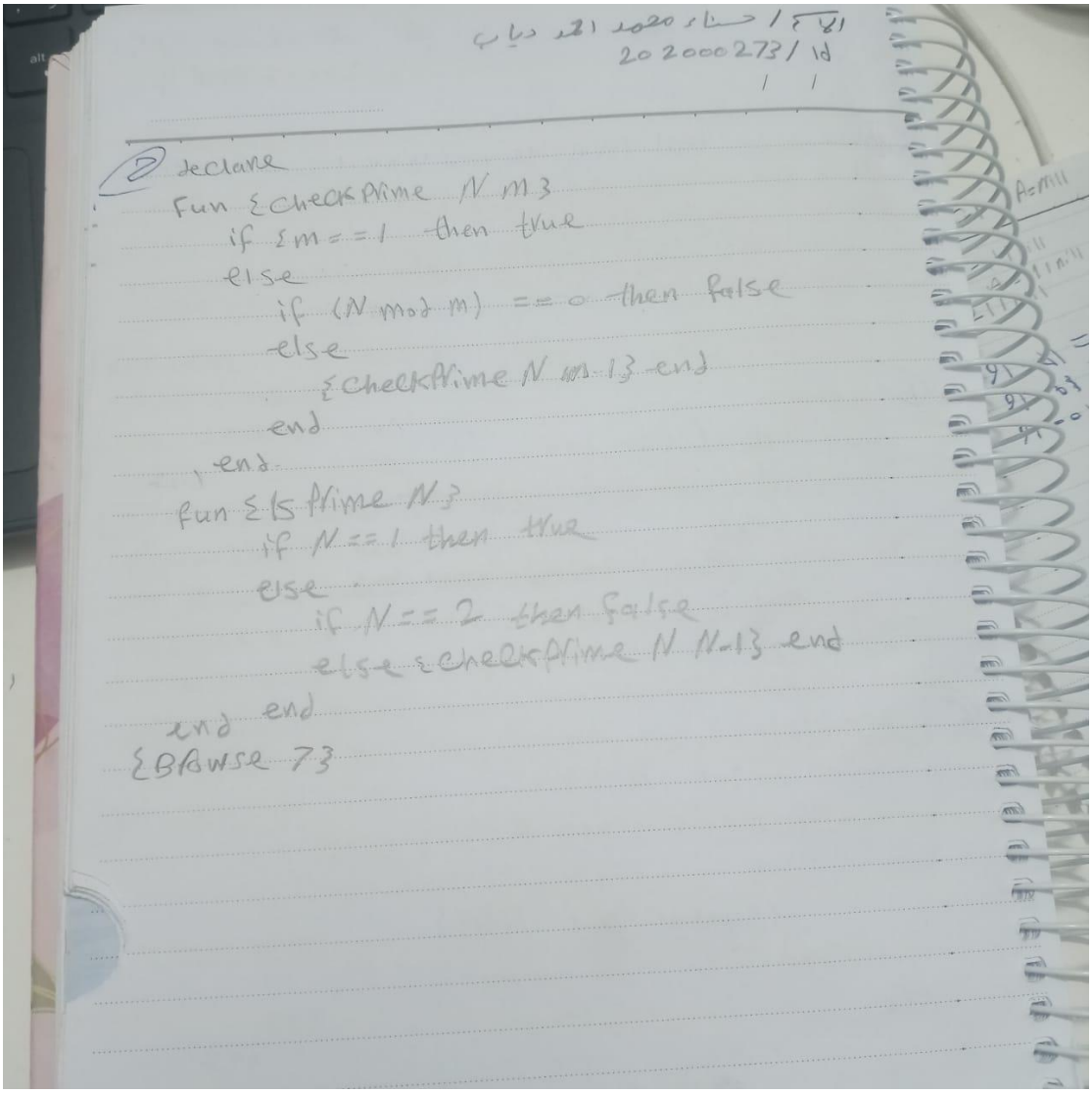
④ What is tail recursive and why it's important?
- it is the recusive call is the last operation done in the function body
- it improves loop , make loops collect and efficient.

⑤ declare
fun {Print1 from to}
if from > to then nil
else
from | {Print1 from+1 to}
end
end

⑥ declare
fun{Sumfac N A}
if N==0 then A
else
{SumfaC N-1 A*N}
end
end



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(9) both are recursive but tail recursion is the last operation done in the function body

(8)
```
declare
fun {SumT N A}
   if N == 0 then A
   else
      {SumT N-1 A+(N*N)} end
end
{Browse {SumT 3 0}} -> 14
```

(10)
```
declare
fun {Print F T A}
   if T<F then A
   else
      {Print F T-1 T|A} end
end
{Browse {Print 1 5 nil}}
```