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A TOTAL STANDING
1. Functional 2. look lesting
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2) write a short note on sufrware development
Lyfe clife cycle! A) Siftware development life cycle!
1 life cycle
A) software development
11- Po a process of developing
1 July 1 July 12 12 molar (co) proliced personal file proposed the
ay sof tware (chent need) in vanous phases
to all an desired output in a amount
cuclic life. The desired output
actual output it meets the expected output.
TO Meet the expected output we need to
to lake the sex house

develop the systeman from Lupi, error etc.,

The systeman development life cycle, has several

phases

Planning

Pelolog/Maintainence

Defining analysis

Pesting

Designing

Codinge

procedures -

-) The software development contains two entities

1. chent

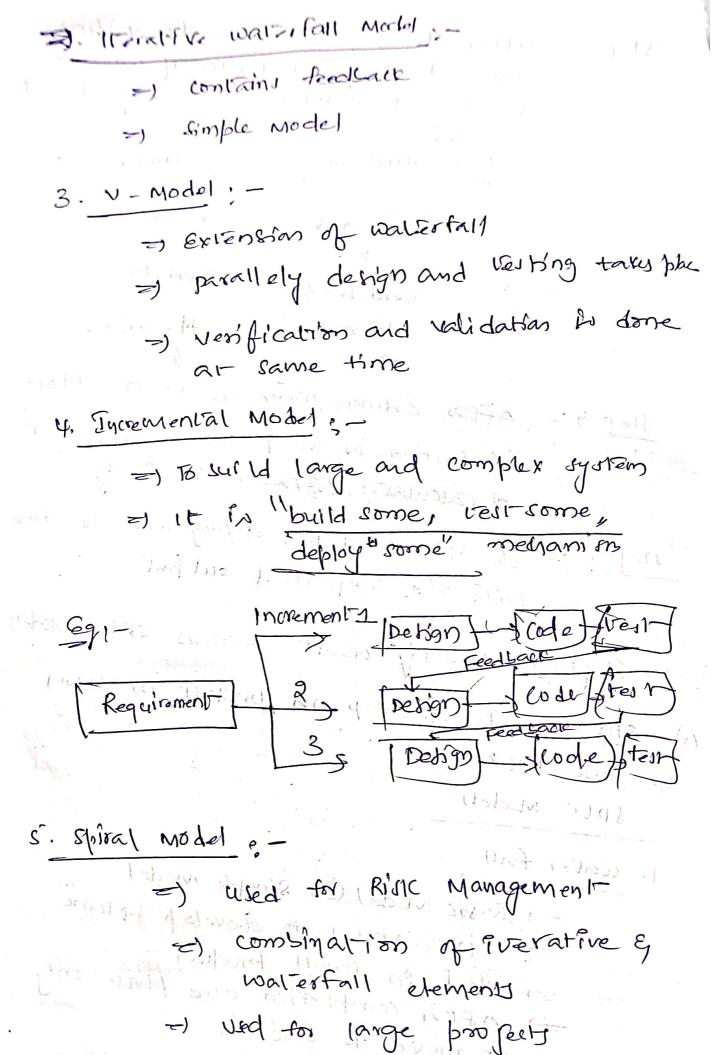
2. service provider

The client-meets the service provider to give an profect. It is called Instration give an profect. It is called Instration the meeting takes phase. In these initiation the meeting takes place and gives the Requirement, exported outfout to service provider

The next-phase is planning, the situare provide service plans how to make the product with the customer satisfication like in Range of time, sudget, quality product, desired output

The planning includes 1. ream division 2. Budget - usage 3. Range of time limit 4. Deployment etc., - After planning, the Service in Designing the product. The Derigo is done then we go to the =) in this coding, the coding is done by programmar the coding in done and that coding contains -) In testing phase the testers are test the code if there in error the send to the coding départment else movres to desologment Todivord In deployment, the actual influence is released Porto market with the expectations of clience In mariupal all cavil pin Egg- Calculatorersbivery Divise of They no Steppin planning about the Requirements Thibard sill single develop calculation step2 - After planning design of the Calculatory plan south to

Step-3:- After design, write a code to perform
Me activity by calculator. If code
written in modules it will easy to understie
Sur
Eg! - roid sum y wid Mul of
2- axh
$\frac{2=axb}{3}$
in the transfer of the world dird
void sus of world dird
3 = a/6;
3
step y: - After coding, move to vesting phase
Step 4: - Aft 28 Cast J' I do all the broduct
1 Citing W 9000
of calculator software in Ready
delployment W dose
step-5: In these step, deployment widos
with the expected out full
and another
3 a) Explain bosefly asout reassous splc models
and act in phases
A) SDCC :- To develop an product in phases
we use speciment
SPLC Modely
1. waver fall
Simple Mode)
EIGHT Model TO CLEVETOP
$\frac{1}{2}$
a) After completion one phase only
No feed back =) After completion of one black
=) After completion of that model



perfoom 2 Ideality Object iv d , analysis F. Review and 3 Develop with amount of front is to be G. Mile Model 1 -=) Contains pair programment (one to Test and one to code and vice versa) =) Every 2/3 month interaction and new cycle start Eustooner collabration à high large projects audys's/ Desan) pepty pessan or Educate Compression Co 7. Rady model 1/151 I used too small proje! = Follows Same syntax omphiles within 90 dags

D difference se	Tween Com	vs treg vs a	de sect-va
		V (-Sat lare
A) Error	Rug	Bug	Failur
identified at the time of developme Called error Jit is due to unable to compile	the difference Selwern the octual outcome and expected	coding is Main reaso of sugs	=) Bug at the end
Sucessfully	de tect- de tect- leg = actual- expected	1) War	at produtis
=) Main Reason is improper of	1. Josvial 2. Minor 3. Major 4. Costital The Main reason is worm design	Logic 2. Algorithmil 3. Resource	1. Enviornments 2. System
Syntax (5,)	() sho ()	ast /	
up by developing and automated ten-Engineer	testess, Also developer adtress at the early stage of evelopment	Sy Test	Development The Manual test engineed discover

y) verification and validation validation	chase from achase states
-) 11- is process of checking -) realidation is the that a software achives process of checking whether the goal coithout any lugs. the software product is cup to the mark. It mea checking the development	1011
and programs 2) It includes checking and validating the actual product	fits equalant
=) static testing = pynamic testing =) It doesnot includes the = ut includes Execution of code 107 code	cuting (E)
=1 Design phase =1 lesting phase	
-) Methods are -) Review -) Blackeson -) walk through -) white Bo -) Inspection -) Non-Fu -) desk-checking	2X

buys at early stage of development	bugs which condit find by verification process
Jofitaire archite.	=1 Goal ju product
=) verification in about process, standard and	produto
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