I With a near diagram emplain levels of lesting
Software Jesting is an admity performed to admitty the servers see that the errors can be removed to obtain a product of higher aquality
I Unit desling
3. Integration desling. 3. System desling
Requirement (North
Specification (Asplan)
Preliminary Integration desting
Detailed Unit
derign (lesling)
Coding
In this legre of desting, errors are delected undividually from every component er
and ensure they are fit to be esset they developers.

是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
3 Inlegation desling
In du desting, due en mobiles while
test at beliefeller in board belest time in
done religions betrapetre all fi plane luca.
delisted and experte surprise burn delisted
3. Dyplin disting:
beterpelue bus eldamos, pursul unseque al
splene meges ett un, ei betal un engelie
forming the supplem is elected
4 Acceptance lesting
In the return severe to, puited with all
requirements of the user is fulfilled before its
delivery and software world property is the
user's devoking environment
01. 11 5 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
2 Define software quality Explain different measures
of software quality
Softwar quality is defined as the stility of the
Defteren quality es défined as the ability of the software to function as per du leser requerement.
Types of softwar quality allribeiles
1 Chater:
abutined maintainable destable coole as well
as the availability of correct and complete
documentation
2 Dynamie;
completener, consistency, resoluting and
performence.

Completeners refers to the availabelity of all features in the requirement or in uses manual. In incomplete softwar is the one that has end implemented all the features Consestency-refus do a common set of conversions and assumptions Ex: In user interfor all the buttons are of same color coding convertion Ex of unionsistency, would be every a dutabase application display DOB of a person in database Usability - there exist many techniques for usabelity Lesting. Performence- It is a non functional requirement It refers to the enit ent application take to perform a requested look 3 Explain the perspective destring defenitions of the following.

Error people make error, when writing a program when people make mistodies, these mistodies an earlied bucys Faull: A fourth in the assert of error is of it is variation in the cools decrees forther faulties Fautive: It occurs when the cools corresponding to the fauth executes Incolar It is an unplanned event that very firsters investigation. Test It is mainly conserved with error, fauth failure accorded A dest leas these closured goals: to finish the failure or the closurestatic correct execution Test case group of condition lister definition very requirement.	
Failure It occurs when the cools corresponding to the fault executer Incident It is an unplanned event that requires further wrestigation. Jist It is mainly concrened with error, fault, failure incident, A test has two alsolicit goals: to find the failure or the clemonstrate correct execution. Jest case group of condition - lister delumines whiten: a softwar in werking as per ille	when people make mestakes, there mest are
Incicliut It is an unplanned event that requires further investigation. Jest It is mainly concrened with error, fault, failure invested A test has two clisterial goals: to find the failure or. to climonshate correct execution Jest case group of condition-lists allumines while a seferman is werking as per ille	es variation in the code that courses
Jest It is mainly concrened with error, fault, failure anached. A dest has two clesterial goals: to find the failure or to alemonstrate correct execution Jest case group of condition tester determines whether a softwar is working as per ille	Failur Il occur when the cool corresponding do the fault executer
Lestrice goals: to find the faiture or. Les clemonstrate correct execution Lest case group of condition-lester determines whether a softwar is werking as per ille	Inciclent It is an unplanned event that requires furdres unrustigation.
whether a softwar is werking as per the	clisterical goals: to find the faiture or
Tiquire min)	whether a softwar is werking as per ille
	Tiquire mini.
是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就	

It write the psoudocode for structured programming
existion of dramquees problem
Program triangles
Dem a, b, c As Integrs
Dim Is ATriangle as Boolean
Step 1 elect Input
- Output l'Enter 3 integral achiels are sicles of
drangi')
Input (a, b, c)
Output ("Diele B is", a)
- Output ("Siele B is", b)
Output ("Diele Cis", c)
Na. 2. 9. NT
Dlop 2: 90 ATriangle?
91 (a <b+c) (b(a+c)="" (c<a+b)<="" and="" td=""></b+c)>
Then IsATriangle=True
Else Is ATriangle = False
EndIf
Step 3: Delamine tringle legge
Il Jahrianale
Then If (a=b) AND (b=c)
Then Output ("Equilation")
The If (a + b) AND (b+c) AND (k+a)
They Output ('Scalene")
Else Output ("Isosceler")
EnclIf
EndI
Else Outhul ('Not a triangle')
EndIf
Encl triangles

5 Write the pseudocode for new date problem
Program Next Dale
Dem Jon mostly dom day, dom eyens As Integer
Deur month, day, year As Integes
outplit ("Enter the data" in the form of MM-DD-77
Input (month, day, year)
Care month of
Care 1: month in 1257 P co 12:31 co.
Case 1: month is 1,3,5,7,8 on 10:31 clays,
if day (3)
then tom day += + = day + 1
else
ton day=1
tom month = month + 1
endIf
C
Case 2: month is 4, 6, 9, 11: 30 day month
if clay <30
furtom_day=day+1
else
dom-day=1
Lom mondy - month +1
endIf
Clese 3: month in 12: December
if day (31
tuntom day = day + 1
elsi
ton day = 1
ton morty=1
는 1000년 1일 전 1000년 1일 전 1000년 12일 전 1000년 12일 전 12일 전 - 12일 전 12일 전 - 12일 전
다른 그리고 있는 그리고 있는 그리고 있는 그리고 말하는 것으로 그리고 하는데, 이번 사람들이 되는 그리고 하는데, 이번 사람들이 바다를 하는 그리고 있다.

.

if eyear = 3.013		
Then Outlie ("2012 is over)		
else donnégeur-year+1		
endel		
Ceese 4: month ies 2: Tebruary		
Te day (28		
Then tom-day day t		
else if day = 28		
. then if ((year is a leap year))		
eller tons-day = 39		
else 'not a leap year		
tom day = 1		
lom month = 3		
endif		
if day = 29		
then of ((year is a leap exeas))		
then tom-day-1		
tom month = 3		
else 'not a leap eyear		
aceput ("Conned have feb", day)		
endy		
endif		
euclif		
endel		
Encl Ceise.		
Output ("Tomorrow's date is", tom month,		
ton-day, ton-year)		
End NextDate		

Explain defferent legnes of software metrices
1. Process metrics
a Procleut motiers
3 Project metrics
1 Proces metrics
Process metrics cere sered la défeire
characteristics and execution of the projects
The chresceletisless cere ersential do the
entrovement and maintenance of the
process in SDIC
2. Product metrics:
Product metries define the size, quality,
tomplexity of the procled with the help of
these characteristics, divelopers can improve
quality of software
3 Project metrics:
of the project. It is resert to calculate the
of the project. It is sessed to calculate the
Lost, productively, elebects and esternate ille
resourch.
7 Explain ferrational Testing and structural
-lesleng

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Structured	Junctional
-Structural Justing is	· Functional flestring can be close either can be close either can be close either manually.
- Shrutural lest case cere based on input (outher) conditions	Temational dest eares une based son actions that a component can perfern
Alrectual Texting ies Alone after the reading process is completed Ly maintence group	· Fernetured lesling es alone cluring divelopment and or maintenne
· Alructure lest cares clonot Clepend son data values	Functional less cases may have to less some specific value for lest care to par or fail
. They are bored on hardwar level ervor clieching	They are achieved by Serfleway level error checky.
19t envolves Slatic clata Structur	It involves depremie deter structure
Main fiscus on logical errors or beign in the	Josev on verifiging that regurement

•

Abuelinal lesling us performed on love level	I is performed
modules.	softwar
It is carried out by a software divelopment	Fundional ded cares are disigned by business
group	analysis or Jester
E with the help of lest a explain testing and de	ud debug ciple diagram
Japut domain	
I Input data	
Construd un	
dest input un.	•
Ted car J. Excecute	Lo Test plan
program	
Betrauirus	Ubdate
Js behaviers	Aherifection
Yes No	
Jesting to Cause of the	u)
be levimend delimined	5/
No Feb lest surion report	Debug the
	Error to be fixed)
File	princting Fix error