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- 1)2) Neither of 0.1, 0.2 and 0.3 can be represented accumulately in binary. The round off errors from 0.1 and 0.2 accumulate and hence there is a difference of 5.5511e-17 between (0.1+0.2) and 0.3.
 - in charts that use MATLAB as the action language, you can use a single action to specify all of the elements of a vector as matrix. For example, this action assigns each element of the 2-by-3 matrix A to a different value:

 A = [123; 456];
 - The Command Window enables you to enter individual al statements at the command line and view the generated negults. MATLAB immediately adds variable a to the workspace and displays the result in the Command Window. When you do not specify an output variable MATLAB uses the variable ans, shout for an swer, to store the results of your calculation.
 - what a contain type of object will look like. A class description consists of a declaration and a definition. Usually these pieces are split into genante tyles. An object is a single instance of a class. You can create many objects from the game class type.

- rv) Oculus Rift-Oculus Rift is a virtually sweality headset. that is designed to connect to a high powered PC to enable advanced computation and graphics rendering.
- Python, 'n' is the bitwise XOR operator. Therefore, 3 Buill be represented as Ollin bits while 4 will be represented as 100, on performing 'n' operator the negalt will be 111 i.e.7.
- vi?) An Android Nintual Device (AVD) is an emulator confriguration that allows developers to text the application by simulating the neal device, capabilities. We can confrigure the AVD by specifying the hardware and software. We can configure the AVD by specifying the hardware & software options. AND manages enables an easy way of creating and managing the AVD with its graphical interface.

viño) l'es, The Scale tool lets you rescale the Game object evenly on all axes at once by clicking & dragging on the cube at the centre of the Gizmo. You can also scale the axes individually, but you should take care if you do this when there are child Grame-objects, because the effect can look a vuite strange.

it (x) y, it x < y, then -1 A) A workspace is grouping of source web tiles that make up a larger unit, like a web page, website. An a standard website, on coftware program. The work & pale is usually a file or discertory. -> disp (welcome)

Key peantres of Pythoni) Python is uninterpreted, interactive, directly is) It is a tree open source and partable language having a large repository of libraries.

i'i'i) Python is used for both scitentitic and non-scientitic programming

A list is a collection of values or an ordered geopuence of values (items, dements of lists are enclosed in () bruckets, reported by commas). Ligt element can be accessed by indexing of Blicing. It is mutable.

num=int(input 1º Enter a number: "))

it num >1: too i in trange (2, num): if (num o/oi) == 0: print (num; is not a prime number") print (is "times", num//i, 15", num) else:

print (num, is a prime number") print (num, ' is not a pry'me number ")

5.B) Android Applications can be sold out through Croogle play, Arrazon App Store, Opera Mobile Store Top Categories Android Apps. in Market arei) Business Music iii) Thavel iv) sports Android App Life Gele-Resumed Visible On Resumel) On Pause 1) On Resume)) Storted Pang ed (Visible) (Partially visible On Stout!) On Stourt () On Stopl) Created ·On Restart ()_ Stopped On Createl) (hidden) OnD st Deg trayed

6.13) The Android Components our-

- ·) Activities ·) Sevices
- ·) Broad Coat Receivery ·) Content Provider

Broadcast Receivers used to respond to mggs. from other applications as from the system. Syntal 7: - Public Class My Receives entend Broad-Court Dansing Coul Receives public word on Peccive (Content, intend) 23

Used to perform mathematical operations like addition, substraction, multiplication, etc. 8) 1) Anithmetic Operations x = 15, 7 = 4 Paint (" x+y=",x+y) output - x+y=19 2) Companison operators -Twee or false according to the condition. £g- 7=10, y=12 Privit ("x>y is", x>y) output - n) y is false 3) logical operators logical operators are the and, or, not operators. - and - True if both the operands are True - vot > True it cities of the operands is trup - not > True it operand is today. Eg - N = True, y = False
Privit (" x and y is", x andy) output x and y is False

Bituise operators act on operands as it they were attained of binary digits. They operate bitty bit, hence the name. 4) Bitwise operators example - 2is 10 in binary and 1 is 5) Assignment operators. They are used in Python to assign values to Variables a = 5 is a simple assignment operator that agsigns the value 5 on the right to the variable a on the lett. a on the left. There our various compound operators in Python like a + = 5 that adds to the variable and Lates a stigns the same. It is equivalent to a = a + 5. 10) DVM (Dalvik Vintual JVM (Java Vintual Machine) Morchine) It is is stack based. i) It is negister based which is designed to run on low memory. 2) DVM uses its own 2) JVM uses Jana byte code and rung the "Dex" File From bytes code and having JJT (justin Android how got a just in Time Compiles. 3) JVM & upper is mutiple os. 3) PVM supper is The Android operating system

- 4) For DVM very few Re-tools are available.
 - 5) Here the executable is APK.
- 4) For JVM many Retals are available
- 5) Here the executable is JAR.

Android Emulator -

It stimulates Android devices on your computers
so that your test your application on a variety
of devices and Android API Levels without meeding to have each physical device. The emulator phovides almost all of the capabilities of a neal Android device.

L) Set Content View (R. Louyout, activity - main): This is a Java method called set content view Jt 4 eta the XML File you want as your wain layout when the app starts. In b/w round brackets, you need the name and location of your layout file. The letter Rin the round backets part points to the activity-main, XM L File, which is in the layout Folder of nes.

11) Key words - They one the gresserved words in Python. We connot use a Keyword as a variable From tion name or any other identities. rame, Function name as any other identities variable variable. Every value in Python has a datatype. Since everything is an object in Python program min data types are actually classes and voided-bles are instance lobject) of these classes. Eg-Class, continue, det, and, cus, pt. Statemets is an inattruction that the Python interpreter con execute. reg - Print 1 Expressiong- are no representation of values. They we different from & textement in the fact that Statements do something while expressions are representations Eg - add (+), subtract (-) etc. sassically A Python souriordate is a gross error I dentitier- is a uses defined hame to nopnes ent the basic building blocks of python. It can be a function, close &, module Eg - u -; class A { };

log log function plot M- & y co-ordinates
using a base 10 logosofthmic scale on the
N-ania and the y-ania tre domain -> M = logapaee (-10, 17); y = 3 1 x; title l'Plotting log n and logy")
gridon. gridon. - ve domain 9 x = log space (-10, 17); title 1º Plotting log x à log y"); grid on; %. Area and Cincumperence of a Circle trading = input ("Enter The rading:"); where = pix reading "2; Cinc = 2* pix radius; CIRCLE -) print 1" Area of Citele: ". fin", comea); printf 1' Citicum ference at citele: %ofin', ciso: %/o Volume & Surface Atrea of Sphero vol = (4/3) *pi * radiug "3; \$wrf = 4 * pi * radius 12; di&P("- ____SPHERE. print l'Volume ot sprète: %+10, vol). bat 3n tweetien is veed to plot 3-D horizontal bar, and

12.A) In a marker-based AR application the images (or the Courses Donnling incomes a property and application to amorganized were Cooresponding image descriptions) to be necognized one provided between I - 100 provided beforehand. In this case you know exactly what the application will a case you know exactly what the application will seasch for while acquiring comega datal commens dectal camera frames). Most of the nowadays AR apps decling with . dealing with image recognition are marken-based,
This is because, it's much more simple to detect things
that are half of the that are hand-cooled in your app on the other hand a marker-legs AR application recognizes things that were not directly provided to the application we beforehand. This scenario is much more difficult to implement because the necognition algorithm numing in your AR application has to identity patterns, colors or some other teatures that may exist in camera thanks. For