

Vnity -> Unity is a crose-platform game develop -ment system. ? It consists of a game engine and an IDE Basic Concepts (Very important) project: It consists of all the models, grame
objects, assets, ecripts, scenes and so on. Scene: It consists of the game objects That constitute the world the player sees Packagus: It's am aggregation of the game objects and their associated metadata.

prefabl: - 916 a template of grouping various
prefable: - Its a template of grouping various assets under a single header.
> 9/s used for creating multiple resources
> 9te used for creating multiple resources of the same object
En: trees, leaves
-> prejable can be instantiated during runtime.
game objects: These are the thing that
constitute the scene
-> light sources
-> Audio sources
-> Comeras
-> game play logic
-> VI, etc.

Score graph: - He a rie based hierachial structuring of the nodes - all tree nodes will have a single parent but can have multiple children. -> operations applied to parent one applied to children also but vice-verces doeinis Components: - these are functional piecies of every game object. → These contain properties which can be edited and used to define the behaviour of the game Object. Example: meen filter, mesh scenderer, Pigidbody, collèdere, videoplayer, etc.

scripts: many inbuilt component already exist but if you want to build a new component we can use scripts. -> Fluse scripts inherit from MonoBehaviour Assets: - 9t's a resource teat will be used es a part of an objects component 943 an 94em that can be used an a unity project en: - scence, prefabe, scripts, textures, animations. Shaders! - unity has several builtin shaders (°) Standard shader A shader is used to render realworld objects such as wood, glass, plastic and metal. 91 supports wide range of shader types and combinations.

lighting: It describes abt the light property -> point lights -> on lamps, candles -> epot lights -> En, flash, torch, car headlights > directional lights -> 27, sour, tubelights -> Area lights Scripting in Units .. > Its done wing C# > Scripts are our example of a component associated with a game object. MonoBehaviour (Fundamental clase) > Every script created in unity entende this mono Behaviour class . 39t contains some prebuilt methods which are available to game Objects

such as Awake (), Start (), Updale (), Destroy (), Inetantiale (), etc. Game Object (Fundamental Class) → Its a generic type from which all the game objects are created. -> Game Objects have an associated name and tag.

en: how to find main camera reference
by ik name Game Object camera = Game Object. Find ("Marin Camera");

Transform (Fundamental class) -> every game object in a scene has this Transform. > Its used to store and manipulate the position, notation and scale of the object. position - transform. position notation -> transform. euler Angles