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Mo Tu We Th Fr Sa Su	Memo No
Box E Size 2.0 0.5 3.0	Theight depth depth
Sphere E radius 1.0	Jià crailpul Sphere bas
Cone E height 3.0 bottom Radius o.	75 Kottom radius
Text LIBYA	teat ablish circle
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	ation Translation

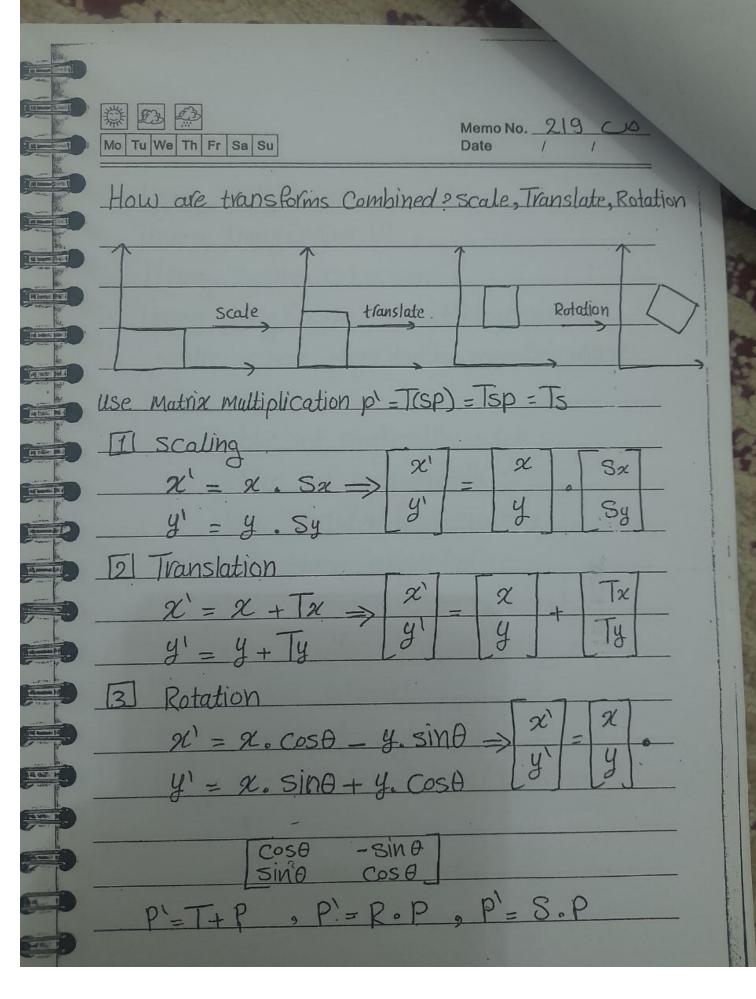
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Mo Tu We Th Fr Sa Su	Memo No Date /	1 .
$R_0 = \frac{2}{2} x_0 y$ $R_d = \frac{2}{2} x_d y$ $direction$	Vay parametric Form 1. Z_0 & (Ray origin) 2. Z_0 & (Ray Direction 1. of the Vay we need 2. Z_0 + Z_0 + Z_0 = 1.	to have
e e e e e e e e e e e e e e e e e e e		**************************************
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Mo Tu We Th Fr Sa Su Date	222
Date	1 1
How are transform homogeneous cooks	dinates?
II Translate	
$T(d_x, d_y) = \begin{vmatrix} 1 & 0 & d_x \\ 0 & 1 & d_y \end{vmatrix}$	
2 scale	
	Case Di
$-\frac{1}{2}S(3x, Sy) = \frac{5x}{0} = $	
3 Rotation	
$R(\theta) = \frac{\cos \theta - \sin \theta}{\sin \theta} \frac{\cos \theta}{\cos \theta}$	(m 1)
SIMO COSO O	
Homogeneous Coordinates	
	-sino o x
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-SIND 0 2 000
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	Demonstrate projection in mathematical operations and	ray tracing matrixes?	,use	Ho
	Mper again of p = [xyz1]	علمة عاد ،	نټدې من	1
	[x,y,z,w] quillin ale	ول على نقطة	read!	Use
	$ \begin{array}{c c} y & = \text{Mper.} p = 100 \\ z & = 000 & 100 \\ \hline $	7/17		
	على للا التي هي 2/2 واسقاط			
			The second secon	<u></u>
d	α	$y_p = \frac{d}{z+d}$	= 3	
	Z+d (Z/d)+1	or ztd	(z/d)+1	

want left.		
	Tu We Th Fr Sa Su	Memo No. عند المعندية Date
	Using unity Engine :	
	Using Unity Engine . UI;	
	Using system. Collections ;	
in i	Using Unity Engine. Scene M	anagement ;
	public class player Health:	
- In 19	₹	
	public int starthealth	= 100;
ED —	public int currenthea	lth ;
	plublic suder healths	Blider;
	Audio Source player Au	dio;
	playerMovement player	
9	player shooting player	
3	Bool is Dead;	
3	bool damaged;	
	public void TakeDamas	
9	₹ -	
9	damaged = true	<u>.</u>
D		

		A LOSS MAN
	画	July lan
Mo Tu We Th Fr Sa Su Date /		Mo Tu V
Calulate the intersection between a ray and sphere		10
and find out the normal at the intersection point		
and solve?		
rd ()		
Ro		
Difination of the ray parametric Form		
Ro = {xo yo Zo} { ?ray origine}		
Rd = 3xd yd Zd 3 3 ray directions		
Direction of ray we need one vector		
$\frac{\chi_{d}^{2} + \chi_{d}^{2} + Z_{d}^{2} = 1}{2}$		
parametric Form		
Rt = Ro + Rdt t > 0	Thomas I	
implicit Form	The second second	
center se = { 2c ye Ze}	The last	
Rudius Sr		
Surface point = 225 45 Zs 3	-	
implicit equation for sphere		
$(\chi_s - \chi_c)^2 + (y_s y_s)^2 + (z_s z_s)^2 = 5r^2$		1
CAS DE IS C		
	Charles Ville	

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Company of the second	Mo Tu We Th Fr Sa Su	Memo No
The reality		
	Write an unity C# S	script to move the player around
	the room and jump	when it find an object or
Carried States	Wall. The values o	
	<u>Using</u> UnityEngi	
Carried to	Using System. (
Control		ve player: mono Behaviuor
	3.	
	public Float	Spend:
		Jumphight;
	public Rigi	0
		tors direction;
		ew Vector (Input. Get Azis ("Horizon"
), o, Input. G	et Axis ("vertical"));
6		

•	**		Con Property and the second	
	Memo No. Date			Mc
	private void Fraid Update()			
		direction#		_
	If (Input. Get Button Down ("jump))).		_
	rd. AddForce (vector3.up * Jumphio	ght,		_
-	Force Mode velocity change;			_
_	<u> </u>			-
				-
			E VOICE) -
) -
			-	-

9	Memo No
	Write a Unity CH script to control the shooting of balls through the gun and calculate how many times has the target hit?
9	The sound and time classes must included.
9	using Unity Engine;
Ð	using System. Collections; public class Collision: Mono Behaviour
Q E	private void on Collision Enter (Collision Collision)
D D	If (obl. game object. Comparetag (bullets))
D	Debug Log ("player hit")
9	.3
D	Time. Dalta Time ()
D	3

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Mo Tu We Th Fr Sa Su	Memo No	History on the second of the s
write an unity program to	determine the next	1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
		1
level and to kill an ex	ierrig ;	G-
using Unity Engin	(e) in	6
using System. Call	ections;	
public Class Killenen		
3	8	
public int Curre	entlevel;	
public int enem	y Count ;	6=
public int enemy		6
Void Start ()		
3		6
Single and Final All (1)		6
Spawn Enemy ();		E
3		FINA News
Void Update()		Cod Vege
3		
If Cenemy Kill Count =	= enemy count)	
		CHA.
		-

	*		
Mo Tu We Th Fr Sa	Su	Memo No Date	1 1
Cur	entlevel ++ ;		
<u> </u>	myCount ++ ;		
enev enev	ny kill Count = 0	;	
	zwn Enemy ();		
sp.c	LWIDIEING C/3		
		*	
Void ?	spawn Enemy()		
2		•	1
ξ			
			**
public Vola 1	Kill Enemy ()	*	<u>. 5</u>
2	-,		(3)
enemy l	KillCount ++;		(A)
• {			
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	*		
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			nr
9		* *	
9			
	8		

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Mo Tu We Th Fr Sa Su	Memo No
Explain how to let the with the player?	main Camera moving
Using UnityEngine; Using System. Colle	
	cam = monoBehaviuor
public float SF	Rotation;
— public float y Void start()	Rotation;
Joid Update	()
<u> </u>	nput. GetAxis ("mouse x")
v	Address of

Mo Tu We Th Fr Sa Su	Memo No
Explain how to let the with the player?	main Camera moving
Using UnityEngine; Using System. Colle	
	cam = monoBehaviuor
public float SF	Rotation;
— public float y Void start()	Rotation;
Joid Update	()
<u> </u>	nput. GetAxis ("mouse x")
v	Address of

Mar.				
	Mo Tu We Th Fr Sa Su		Memo No/	
	Y Rotation -= I	nput. Get Agais ("	mouse yn) ws	SENSTIVITY;
	transform euler	Ingles = new V	tector3 (0 , X	Rotation,0);
10 10 10 10 10 10 10 10 10 10 10 10 10 1	<u> </u>			(c)
10	•		• ************************************	
3				
				•
		. 1,		
3				
				*
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三				

Mo Tu We Th Fr Sa Su	Memo No
Current Health = amoun	t ;
health stider. Value = 0	current Health ;
if (current Health <= 0.	88 (isDead)
Death();	
Void Death()	
3	*}. : *
isDead =true;	
playershooting. Dis	sable Effects():
Player movement en	The second secon
playershooting end	
3	
S Ilia Cial Paglar	Havel ()
public void Restar-	LIEVEL C
3	
₹.· ₹	4
3	

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Mo Tu We Th Fr Sa Su	Memo No. Mainmenu Date / /		Mo
Using UnityEngine;			===
Using System. Collections;		6	-
public class mainmenu: mone	oBehaviour		_
			10.
public void play()			
public void Quit()			
Application. Quat ();			
Debug. Log ("player has	quit the game ");		-
	V 8		Section
		(a 100)	
		(a 4)	
	*		
			1/2010

	Mo Tu We Th Fr Sa Su	Memo No. Shot	Manager 1
	Using Unity Engine;		
	Using system. Collection	15;	
	- public class shot ?		2.
	- public float up Fo	rce;	
	- Public Float hits		
	ξ		
	nublic class shatman	2006 10000	ahalliour
	public Class ShotMana	ger · monos	CHUNIOU
	public shot tops		
Trans.	public Shot flat	9 .	
	<u> </u>		
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Install			
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			15

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	Mo Tu We Th Fr	Sa Su		Memo No Date /	1		· · · · · · · · · · · · · · · · · · ·
	Explain th	he main pury	oose of pl	nysical mate	rial.		Mo Tu
	Dynamic Fu Optila 8 1812	nction, Stat	tic function	Bouncines	5 <u>2</u>		
		عالم افتراضي	شياء في ال	لفيزيائية للا	1		
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سمين	بهنيرضي	متكالئ الذي					
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						Grant h	

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	script to control the
mouse and the K	eyboard?
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