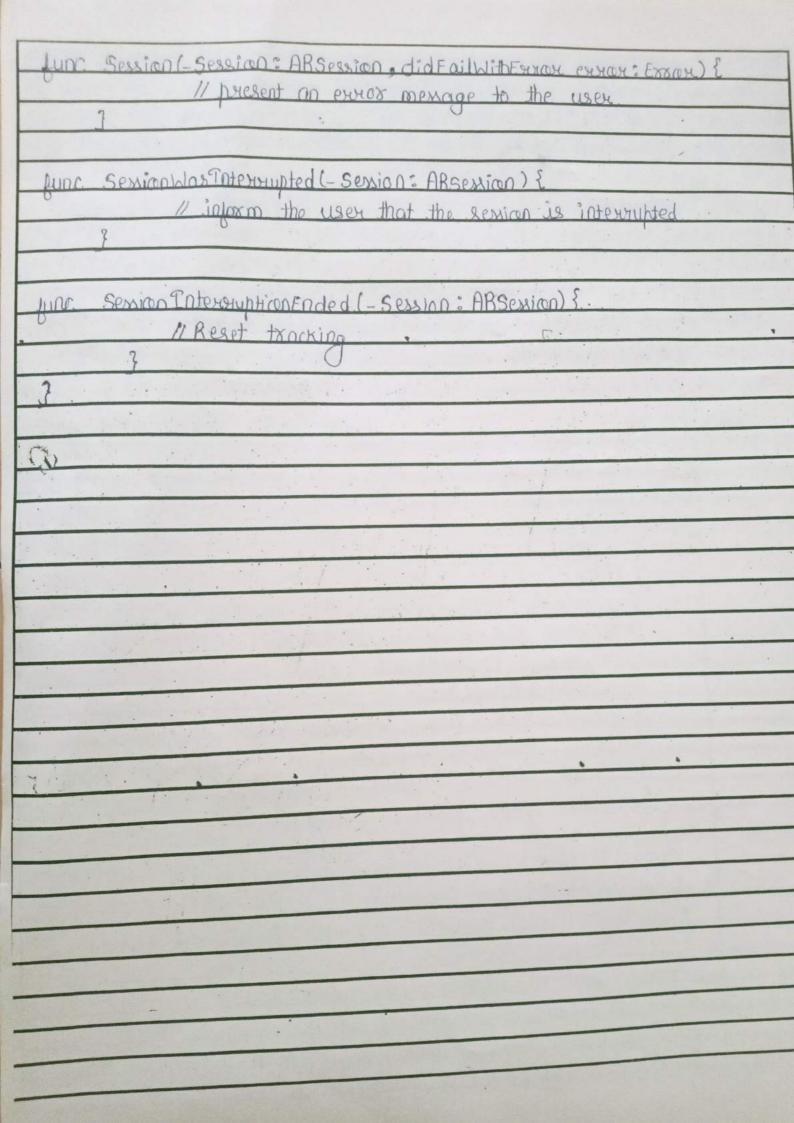


	10010
CLASS WORK	ASSIGNMENT NO 01
SESSIONAL WORK	EXPERIMENT
SUBMITTED ON MARKS OR GRA	DE OBTAINED
NAME Ayushi Atlasiya	
CLASS B-Tech ((SE+MA)	
SUBJECT	CODE NO.
Signature of Student	Signature of Professor
Poi:- AR Template.	
View Controllex. Scuit	and the same of th
impost UTKit	
import Scenekit	
impost ARKit	
class ViewController: UTVrewController	M. ARSCHVIEWDClegate {
@ TBOUHER Vax sceneView.	
Overvide func. View Didload. E.	
Supere. Vrew DidLoad()	-1.0
Scene View delegate = Sey 11.	Set the View's delegate.
Sceneview. Shows Stoutistics = to	the // Show frs and timing.
	1: "not son assets /dxagon . son" ?!
SceneVieur. Scene = Scene	
7	1 1 1 1 2 1 2
· Overvide func viewWillDisAppa	ar (-animated: BOOD?
Super View Will Bisappean Canimate	d)
Sceneview . Session . pause() /	1/ house the View's session
3	
override func viewhillAppearl-	animated: Bool) {
Super-ViewWillAppear lanimated	)
Let Configuration = ARWard Tracking	of Configuration ()
Sceneview. Servion. Sun Clonfigur	ation) }
OCCUPATION STATE CONTRACT	





CLASS WORK

SESSIONAL WORK

ASSIGNMENT		00
	-NO-	UZ
EXPERIMENT		

SUBMITTE	D ON MAR	KS OR GRADE OBTAINED
NAME	Ayushi Atlasiya	BOLL NO 19100BTCSFMA05479
CLASS	B-Tech (CSE+MA)	DEPARTMENT COMPUTER Science.
SUBJECT .		CODE NO.
Signature		Signature of Professor
	Poz:- Cheate a single	View app.
	ViewController-Script	
	impaut UKit	
	import Scenekit	
	impart ARKit	
	Class vierocontroller : Ulvi	envontroller, ARSCNViewDelegate &
	@IBOutlet You Scene	eView: ABSCNView!
	Overvide june views	Pidload () E
•	Overvide junc views Super View Didload (	
	Sceneview. delégate	= Self
	Sceneview. Shows	tatistics = torue
		ene (named: "not schassets / Ship. S.
	SceneView. Scene =	Scene.
	3	
	Overoude func View	VillAppeare (-animated: Bool)
	{	

	Super-ViewhillAppear (animated)	
	Jet Configuration = ARM could Tracking Configuration () Sceneview - Session . Jun (Configuration)	- 1
	Sceneview. Session. Aun (Configuration)	9
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CLASS WORK

SESSIONAL WORK

ASSIGNMENT NO 03

	LXI ENIMENT
SUBMITTED ON	OR GRADE OPTAINED
NAME Ayushi Atlasiya	OT GRADE OBTAINED
NAME Ayushi Atlasiya  CLASS B-Tech (CSE+MA)	ROLL NO. 19100BTGSEMA05478
	DEPARTMENT Computer Science
SUBJECT	CODE NO.
Signature of Student	Signature of Professor
PO3: - Adding the object s	Structure
View Controller Script	
import Ulkit	
impart ARKit	
impart Scenekit	
class ViewControllex: UIViewCon	ntxollere, ARSCN View Delegate &
@ IBOUTHET VOU Scene	
let Config = HR World T	Hacking Configuration ()
3	•
junc object () {	
Jet shope = 5CN	Box ( cuidth: 0.1, height: 01, length: 01,
	ChamberRadius: 01)
Jet node = SCND	
node. geometry	= Shape()
node geometry	? fixstMaterial? diffuse. contents
· · · · · ·	= UlColox. Orange
node. hasition =	SCNVector3(0, 0, 7-5)
let Scene = SC	NS(ene ()
Sceneview - Scene	c, = Scene.
Scene . Groat Nod	e. addchildNode (node) }

	@IBAction func stessetBtn (- Sender: UIButton) {
	Sceneviero . Session - pouse ()
	Sceneview. Session. Hun (config. options: [Sesset Tracking
	3
	average mor viempid and () {
	Super-view Didload () {
	SUI A A MICCOTATEGACE C
	SceneVieru. delegate = Self.
	abject ()
	1 (0) 20 ()
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10000	
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**CLASS WORK** 

SESSIONAL WORK

ASSIGNMENT 0 04

SUBMIT	ITED ON	MARKS OR GRADE OBTAINED
NAME	Ayushi Atlasiya	ROLL NO. 19100.BTCSEMA05478
CLASS	B-Tech (CSE+MA)	DEPARTMENT Computer Science
		CODE NO.
Signatu	re of Student	Signature of Professor
	Po4:-Waxld axigin of ViewController. Swift impart Ulkit impart ABKit impart Scenekit	on Camera and beature paints.
	@Boutlet vare So	ViewContxover, ARSCNViewDelegate. { CEDEVIEW: ARSCNVIEWL LIDITSHOCKING CONFIGURATION ()
	let node = SCNI node geometry = node geometry ? node position = SC let Scene = SCNS	Shape.  Jixxt Material ? diffuse. Contents = Ulcolox - Oxonge CNVectox3(0,0,-5)  cene ()

	(a) BACHION LUNC PresetBtn (- Sendex: U) Button) {
	Con V. Coming house (1)
	Sceneview. Hoot. Session. Hun (config. aprines: [. Heset Tracking])
	3
	avervide Augr. View Didload OE
	Super-View Didload () {
	SceneView-delegate = Self
	SceneView debug Options - [ARSCNDebug Options - ShowWardoxigin ARSCNDebug Options - ShowFeatwelloints]
-	ARSCHOPHICALS ShowFeatweloints
	about ()
-	abject ()
1 2	
Con	
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CLASS WORK

SESSIONAL WORK

**ASSIGNMENT** 

NO 05

EXPERIMENT

100	SSIGNAL WORK		EXPERIMENT	
SUBMITT	ED ON	MARKS OR GRADE C	DBTAINED	
NAME	Ayushi Atlasiya	R	OLL NO. 19100 BTCSEMA	05478
	B-Tech (CSE+MA)			
Signature	of Student		Signature of Pro	otessor
	POS: Multiple objects			
	VicasController, Saugi			
	Emport UKit		1	
	impart ARKIL	-		
	improvet Scenekit			
	class viewController:	Wien Controller AR	ISNView Delegate (	
	@ IR outlet Vay So	enevieus : ARSNVieu	0 !	
		ld Txacking Configure		
	30 1000	9 00		
	@ IBAction func. bo	oxBtn (-Sender: UIB	Button) E	
	let shahe = SCNBO		* 6	
	let node = SCNNO			
	node . geometxu = S	hahe.		
	anda asametri?	hix et Material & di	use-contents = Ulcolos	- 0x01
	node position = So	Chvertox 3 (0,0, -5		
	Jet Scene = SCNE	Brene ()		
	sceneView. Scene	= Scene		
	Scene . Haothodea	ddChild Node (node	2)	
	3		·· ·	

	@IBAction func SphereBtn (-Sender: UButton) {
	Jet shape = SCNSp here()
	let node = SCNNode()
	node geometry = Shape
	node . geometry? . linst Material? . diffuse . contents - Ul Calox . Oxong
	node hasition = Schlectox3(0,0,-5)
	let Scene = SCNScene ()
	Sceneview. Scene = Scene
	Scene - scootNode - additidologe (node).
	3
100	@18Action func ConeBtn (-Sender: UIButton) {
	Jet Shahe = SCN cone ()
Ch	Jet node = SCHNode ()
111	
	node geometry = Shape.  node geometry ? - fix st Material ? - diffuse Contents = U1 Color - Orange
	node . position = Schuertox 310,0,-5)
	let Scène = SCN Scene i).
	Siene View-Siene = Siene ;
	Scene suporthode - addenilatione (node)
	. 7
	@IBAction punc cylinderBtn (-Senden: UButton) {
7	let Shape = SCNCyGodex().
	Jet node = Schnore U
River III	node geometry = Shape.
	node geometry? - Lixst Material? - dipuse-Contents = 110008. Oxange
	node - hosition = 3chvector3(0,0,-5)
	Jet Scene = Schscene ()
	SceneView. Scene = Scene.
	Stene . rootnade. addchildNode (node)
10000	3



#### Think Excellence. Live Excellence.

Code	Roll No.	Exp. No.	Page
@IBAch	ion func pyromid B+n	(- Sender: UIBUton) }	
Jet	Shape = SCNPyramid 1	()	
let	node = SCHNOde ()		
- 00	in acamatxy = Shahe	•	Cipled - INCl.
Day	do nenmetru a ligi	stMaterial ? - dilliss	· (Oldens - Oldos - Ogdi)
no	de - hosition = SCNV	64083 (01012)	
Jet	Scene = SCNScene ()	)	
Sc	ene View . Scene = Scer	hilder de conde)	
	ene- rootrade. addc	mano de (10de)	
. 3			
0.0	Laboration A. L. Discours	senden: NRUHON) {	
(a) IRA	ction func tube Btn (-	Jane Company	
Jet s	Shape = SCNTube ()		
Jet 1	node = SCNNode ()		
node	geometry = Shape geometry? pustMat	besign ? diffuse conte	ris = UI colox. angange
nøde	geometry: pustivia	13 (0.01-5)	
node	hasition = 50 hickory		
Jet	Scene = SENScene()		
Scene	eview Scene = Scene	Ande (node)	
Scene	eview-scene-scene	WITOUT CITAL	
1			

@ IBAction func resetBtn (- Sender: UIButton) {
Scenelliear. Session. pause ()
Sceneview . Session. Aun (Config. options: [. Heset Tracking])
3
Overvide func view Did Load () {
Scenevico. Session.
Super-view Did Load ()
Scenelliew- delegate = Self
Scene View. debugoptions = [ARSCNDebugoptions . show Ward Osigin,  ARSCNDebugoptions . show Feature Points]
AKSENDEDUGOPHOIS · STOMFEOTURE FOIRS
2
J

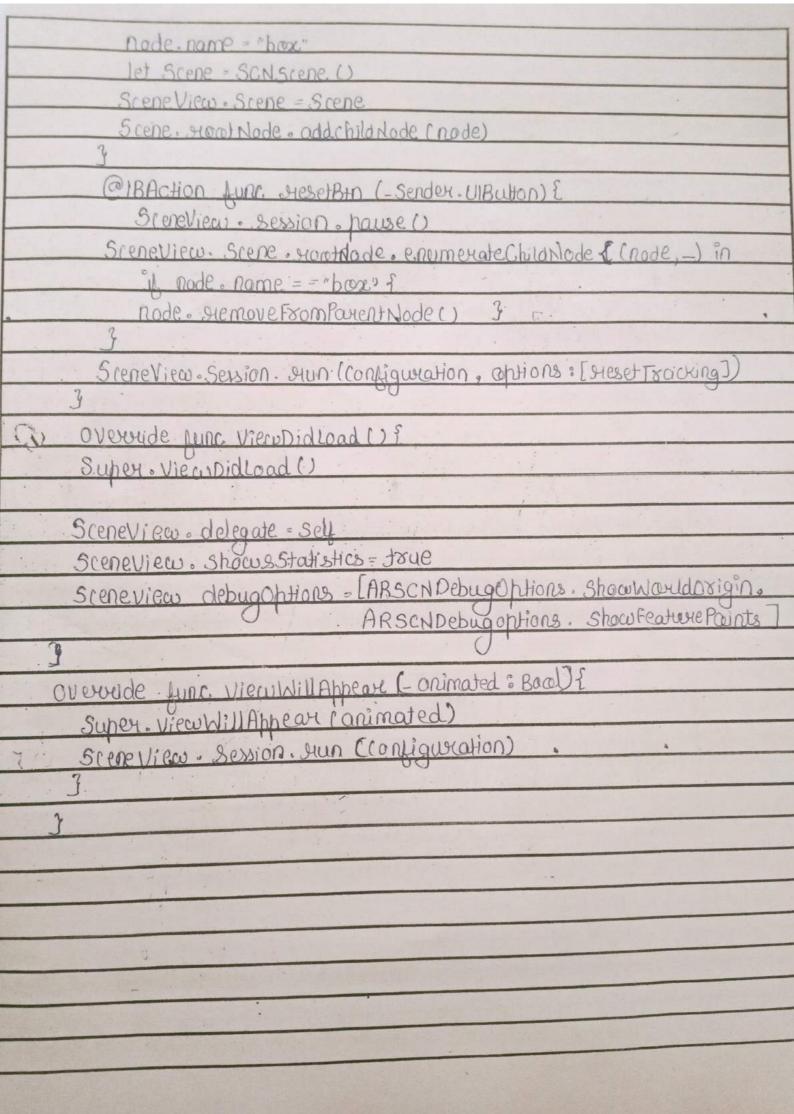


CLASS WORK

SESSIONAL WORK

ASSIGNMENT NO 06

SUBN	MITTED ON
NAME	Hyushu Atlasiya BOLLNO 19100BTCSEMA05UZ8
CLAS	S. B-Tech (CSE+MA) DEPARTMENT COMPUTER Science
SUBJ	ECT
	Styles of Children
-	Oignature of Floresson
	POG: - Program to change the position of object using slider.  Vicco Controller. Script
	import UKit,
	Impart Askit
	impart Scenekit
	class View Controller: UlViewController, ARSCNViewDelegate ?
	@IRO Mat Many Canadhana Occadent
	@ 1Boutlet var. SceneView: ARSCHView!  @ 1Boutlet var xAxis: UISlider!
	@ Boutlet Var y Axis: U.Slider!
	@180 utlet var 2 Azis: Ulslider!
	Jet Configuration = ARW ard Tracking Configuration ()
	7 00
	@IBAction June addObject (-Sender: UIButton) {
	let Shape = SCNBOX()
	Jet node = SCNNode ()
	node · geometry = Shape
	node. geometry?. just Material? diffuse. Contents = UI color ovange
	node. prosition = SCN Vector 3 (2 Axis. Value, y Axis. Value,
	ZAxis. Value)
THE PARTY OF	<u> </u>





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SESSIONAL WORK

ASSIGNMENT		07	
EXPERIMENT	-NO-		

OLOGIONAL WORK	EXPERIMENT
SUBMITTED ON	ARKS OR GRADE OBTAINED
- Instruction Introduction	
CLASS B- Tech (CSF + MA)	ROLL NO. 19100BTGSEMA05478
	DEPARTMENT COMPUTER Science
	CODE NO.
Signature of Student	Signature of Professor
PO+:- Add Texture on	
ViewControllere. Saint	abea.
impart Ulkit	
import ARKit	
import Scenerit	
The second second	
class View Controller: 11	WiewController, ARSChviewDelegate {
	The condition of the state of t
@IBOUTHET VOX Scene	View: ARSCNView!
Jet Consig = ARIWaxid	Tracking Configuration ()
00	0 00
func object() {	
let Shape = 5CNS	phere (radius: 0.1)
let node = SCNNo	de ()
nade geometry =	Shahe
nade geometry?	· first Material? · diffuse · Contents = Ulmag
JO	( named : "textwee. Png")
nade hasition = SCN	
Jet Scene - SCNScer	
Sceneview: Scene	
Srene . Haat Node . a	
3	

Overvide june view pidload () { Super. view pidload () SceneView-delegate = Self-object ()