

Microprocessors and Interfacing

(CSE - 3002)

DIGITAL ASSIGNMENT - 1

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	VILHU KUMATI SI 19BCE0215				
CSE 2006					
	Microprocessors & Interfacing				
	Interfacing				
	DIGITAL ASSIGNMENT-1				
	ANSI) 8087 ALP to varculate volume of sphere :				
	DATA SEGMENT				
	RADIUS DD 2.57				
Volume DD01 DUP<27					
DATA ENDS					
ASSUME CS & CODE, DS & DATA					
volume prior near					
Ī	Code segment				
	steart o				
	MOV AX, DATA				
	MOV DS, AX				
	FILD RADNS				
	FSTP ST(2)				
	FMUL STC2)				
	FMUL ST(2)				
	FSTP ST(1)				
	ELD CONSTANT				
FMUL ST (0), ST(1)					
FSTP ST(3)					
FLD PI					
	FMUL ST(0), ST(3)				
	FST Valune				
	RETP				

19BCE0215
19BCE0215
 Volume ENDP
CODE ENDS
 END START.
 Cred Simp.
 AND 8087 ALP to calculate A= xyz
 Ans) 8087 ALP to calculate A= xyz \[\frac{72+y^2+Z^2}{2} \] assuming 2yz our Surgers.
assuming zyz our integers.
FILD 2
FMUL Z
FSTP STCI)
FILD y
FNUL
F ADD STCI)
FILD Z
 FMUL
 FADD STCI)
FSORT ST
FSTP STC2)
FILD x
FIST ST(1)
FILD X
 FISTP STCI)
 FILD 7
FMUL ST, ST(1)
 FISTP STCI)
 FILD 7
FMUL ST, ST(1)
 FDIV ST, ST(2)
INT 3

•	Vilhu Kuman Singh 19BCF0215
5	Aus 3) Andrino code to blink 4 lights with 0.53
3	on time, and 0.5 see of time
5	
3	void setup () {
3	pen Mode (O, OUTPUT)
5	penmode (1, OUTPUT);
5	finhode (2, OUTPUT);
	2 pinnode (3, OUTPUT):
3	5
5	Void loop c) J
	digited write (0, HIGH);
	dulay (Sos);
,	digital white (0, Low); digital white (1, HIGH);
>	delay (500):
	V
5	digitedwaite(1, Low);
•	digital write (2, HIGH);
	delay (500);
>	digitalwrite (2, Low);
	digital White (2.41(-4).
	digital white (3, 41(44); duly (500);
	V
•	digital Work (3, LOW);
	digital Work (3, LOW); dulay (500);
2	3 0
	J
CS Scanned with 0	CamScanner

```
Ville Kunar Singh
         Ausy) Anduino code for Blinding 4 de lighte with 3 seus on time and 1.5 secs of time.
           void setupe) of
pinned (1,00TPUT);
              Demode (2, OUTPUT);
             penhode (3, OUTPUT);
            void loop () of
               digited write (1, 4194);
               delay (60);
digital white (1, Low);
               digitalwrite (2, HIGH)
               delay (3000);
                                                             digitalwante (3, HIGH);
               delay (3000)
               digital write (3, LOW);
               digital white (4, HIGH);
               delay (3000);
               digitalwhite (4, Low);
              delay(1500);
CS Scanned with CamScanner
```

3	The second		Ville	Kuma Singh				
	47 5 7 648		1980	E0115				
2	Aus 5) Day	Aus 5) Decaw and explain shortly the architecture						
2	= 9	= gany work one of the following processor						
3	a	a. Snapdragon						
5	Ь	b. ARM prouver in 2PAD						
5	a. \ Sna pd	CNO DILLIAMO CM						
3	(X) <u>31045</u>	a.) Snaphragon 600.						
•	The Que	The Quelcomm snapdragon 600 APQ8064T is a						
•		high-end Soc for mastly Android based						
•	smartphe	smartphones and tablets that was announced						
	1	at the beginning of 2013. The chip includes food						
,		ARMY 7 compatible Krast-300 cores that offer a						
•	Kount co	Kount cores in the Styrouters. However,						
	the perfor	manu g ce	x tex-A15 cores she	ared not be				
>	greathed,	greathed, but the power consumption should be better.						
>	Company 1	141	Tax.					
-				T				
<u> </u>	Tr	RAIT CPU	Li Cillaga V					
>		40	MULTIMEDIA					
,	A	REUINO EAU	1					
9			Audio, video and Gestures					
•	1	JEXAGON	and Gestures					
		920						
2	1		CAMERA	 				
9		GLIE, WIFI,	DISPLAY/ LCD					
		13B, BT & FM	NAVIGATION					
9		Annt Heaters D. C. contract Con						
8		Asunitecture et Snaparagon 600						

