Date: / /

Shapes.

bri madaq

# include (stolio h) # include (math-h)

int main ()

ight ch = 10;

6loot A, V, 8, h;

Solile (ch = 4)

prints ("13 cylindes M23 cone \n 33 Sphose \n 1 Exit");

cans ("160" fch).

prints ("Entex radius and diameter");

3 cans ("160" f 165" y, 20, 2 h);

Switch (ch)

COSE 1: Prin A= 2+3./4+ + + +2 + 3./4 + 8 +8;

break;

cose 2: A= 3.14 \* x (8+ sq8+ (h\*h+x\*x)). V= 3.14.\* x \* x \* h/3;

cose 3: A= 6 + 3.14 + 8 + 8; V= A+ 8 16/3;

```
vj2001@VJ:~/ooj-lab
vj2001@VJ:~/ooj-lab$ ./shapes
```

1] Cylinder 2]Cone 3]Sphere 4]Exit

Enter your choice: 2

Enter the radius and the height: 4 6

The area is 140.811447 and volume is 100.480003

I] Cylinder 2]Cone 3]Sphere 4]Exit Enter your choice: 4 vj2001@VJ:~/ooj-lab\$