

If else (13- 21)

<pre>13. #include<stdio.h> int main() { int gam,notes; printf("Input the amount : "); scanf("%d",&gam); notes=gam/1000; gam=gam%1000; printf("note of 1000 = %d\n",notes); notes=gam/500; gam=gam%500; printf("note of 500 = %d\n",notes); notes=gam/100; gam=gam%100; printf("note of 100 = %d\n",notes); notes=gam/50; gam=gam%50; printf("note of 50 = %d\n",notes); notes=gam/20; gam=gam%20; printf("note of 20 = %d\n",notes); notes=gam/10; gam=gam%10; printf("note of 10 = %d\n",notes); notes=gam/5; gam=gam%5; printf("note of 5 = %d\n",notes); notes=gam/2; gam=gam%2; printf("note of 2 = %d\n",notes); printf("note of 1 = %d\n",notes); return 0; }</pre>	<pre>14. #include <stdio.h> int main() { int angle1, angle2, angle3, sum; printf("Enter three angles of triangle: \n"); scanf("%d %d %d", &angle1, &angle2, &angle3); sum = angle1 + angle2 + angle3; if(sum == 180 && angle1 != 0 && angle2 != 0 && angle3 != 0) { printf("Triangle is valid."); } else { printf("Triangle is not valid."); } return 0; }</pre>
<pre>15. #include <stdio.h> int main() { int side1, side2, side3; printf("Enter three sides of triangle: \n"); scanf("%d%d%d", &side1, &side2, &side3); if((side1 + side2) > side3 && side1 !=0 && side2 !=0 && side3 !=0) { if((side2 + side3) > side1) {</pre>	<pre>16. #include <stdio.h> int main() { int side1, side2, side3; printf("Enter three sides of triangle: "); scanf("%d%d%d", &side1, &side2, &side3); if(side1==side2 && side2==side3) { printf("Equilateral triangle."); } else if(side1==side2 side1==side3 side2==side3) {</pre>

<pre> if((side1 + side3) > side2) { printf("Triangle is valid."); } else { printf("Triangle is not valid."); } } else { printf("Triangle is not valid."); } } else { printf("Triangle is not valid."); } return 0; } </pre>	<pre> printf("Isosceles triangle."); } else if(side1 !=0 side2 !=0 side3 !=0) { printf("Scalene triangle."); } return 0; } </pre>
<pre> 17. #include<stdio.h> #include<math.h> int main() { double a,b,c,root1,root2; printf("Enter the value of a , b, c : "); scanf("%lf %lf %lf", &a, &b, &c); root1=(-b+ sqrt(b*b-4*a*c))/(2*a); root2=(-b-sqrt(b*b-4*a*c))/(2*a); if((b*b-4*a*c)>0) printf("REAL ROOT EXIST AND ROOT1 = %lf\n", root1,root2); else if((b*b-4*a*c)==0) printf("REAL ROOT EXIST AND ROOT1 = %lf\n", root1); else if((b*b-4*a*c)<0) printf("REAL ROOT DOESN'T EXIST"); return 0; } </pre>	<pre> 18. #include<stdio.h> int main() { double a,b,pro,loss; printf("Enter cost and sell price : "); scanf("%lf %lf",&a,&b); if(b>a) { pro=b-a; printf("PROFIT = %lf\n",pro); } else if(a>b) { loss=a-b; printf("LOSS = %lf\n",loss); } else if(a==b) printf("THERE IS NO LOSS AND NO PROFIT"); return 0; } </pre>

<pre> 19. #include<stdio.h> int main() { int p,c,b,m; double perc; printf("Enter the marks of all sub : "); scanf("%d %d %d %d",&p,&c,&b,&m); perc = (p+c+b+m)/4; printf("Percentage = %lf\n",perc); if(perc>=90) printf("Grade A"); else if(perc>=80) printf("Grade B"); else if(perc>=70) printf("Grade C"); else if(perc>=60) printf("Grade D"); else if(perc>=40) printf("Grade E"); else if(perc<40) printf("Grade F"); return 0; } </pre>	<pre> 20. #include <stdio.h> int main() { double basic, gross, da, hra; printf("Enter basic salary of an employee: "); scanf("%lf", &basic); if(basic <= 10000) { da = basic * 0.8; hra = basic * 0.2; } else if(basic <= 20000) { da = basic * 0.9; hra = basic * 0.25; } else { da = basic * 0.95; hra = basic * 0.3; } gross = basic + hra + da; printf("GROSS SALARY OF EMPLOYEE = %lf", gross); return 0; } </pre>
<pre> 21. #include <stdio.h> int main() { float unit; double bill, total_bill, surcharge; printf("Enter total units : "); scanf("%f", &unit); if(unit <= 50) { bill = unit * 0.50; } else if(unit <= 150 && unit>50) { bill = 25 + ((unit-50) * 0.75); } else if(unit <= 250 && unit>150) { bill = 100 + ((unit-150) * 1.20); } else { bill = 220 + ((unit-250) * 1.50); } </pre>	<pre> surcharge = bill * 0.20; total_bill = bill + surcharge; printf("Electricity Bill = Rs. %.3lf", total_bill); return 0; } </pre>

