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MATRIC NO: 18/SCI01/019

DEPARTMENT:COMPUTER SCIENCE

1.

```
#include <stdio.h>
```

```
int yr;
```

```
printf ("Enter a year \n");
```

```
scanf ("%d", &yr);
```

```
if (yr%4 == 0) {
```

```
if(yr%100 == 0) {
```

```
if(yr%400 == 0)
```

```
printf("\n It is LEAP YEAR.");
```

```
else
```

```
printf("\n It is NOT LEAP YEAR.");
```

```
}
```

```
else {
```

```
printf ("\n It is LEAP YEAR.");
```

```
}
```

```
}  
else  
printf("\n It is NOT LEAP YEAR.");  
  
return 0;
```

2.

```
/*  
* C program to find the biggest of three numbers  
*/  
  
#include <stdio.h>  
  
void main()  
{  
int num1, num2, num3;  
  
printf("Enter the values of num1, num2 and num3\n");  
scanf("%d %d %d", &num1, &num2, &num3);  
printf("num1 = %d\t num2 = %d\t num3 = %d\n", num1, num2, num3);  
if (num1 > num2)  
{  
if (num1 > num3)  
{
```

```
printf("num1 is the greatest among three \n");
}
else
{
printf("num3 is the greatest among three \n");
}
}
else if (num2 > num3)
printf("num2 is the greatest among three \n");
else
printf("num3 is the greatest among three \n");
}
```

3.

```
#include <stdio.h>
#include <stdlib.h>
int main()
{ double mark1;
double mark2;
double mark3;
double mark4;

double mark5;
double mark6;
```

```
double mark7;

double grade;

printf("Please Enter Total Mark(s): ");

scanf("%lf", &grade);

printf("YOUR TOTAL MARK IS %f\n", grade);

printf("Score for Subject NO 1: ");

scanf("%lf", &mark1);

printf("Score for Subject NO 2: ");

scanf("%lf", &mark2);

printf("Score for Subject NO 3: ");

scanf("%lf", &mark3);

printf("Score for Subject NO 4: ");

scanf("%lf", &mark4);

printf("Score for Subject NO 5: ");

scanf("%lf", &mark5);

printf("Score for Subject NO 6: ");

scanf("%lf", &mark6);

printf("Score for Subject NO 7: ");

scanf("%lf", &mark7);

printf("YOUR GPA IS %f", (mark1+mark2+mark3+mark4+mark5+mark6+mark7)/grade * 5);

return 0;

}
```