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1BM19CS079

Practice Programs for OOJ lab - week1

1]

```
#include <stdio.h>
#include <math.h>
void main()
{
  int a,b,c;
  printf("Enter the first number\n");
  scanf("%d",&b);
  while(1)
  {
   printf("\nEnter the choice\n");
   printf("\n1- Addition \n2 - Subtraction\n
          3- Multiplication \n 4- Division");
   printf("\n5- Greatest of two numbers\n
     6-Smallest of two numbers\n7 - The two
    numbers are equal \n8 - The two numbers are
    not equal \n9 - Remainder \n 10- Average\n
         0- To exit\n");
    scanf("%d",&c);
     Switch (c)
    {
      case 1:
       printf("Sum = %d",a+b);
       break;
      case 2:
        printf("Difference = %d", a-b);
        break;
```

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```
case 3:
    printf ("Product = %d", a*b);
    break;

case 4:
    printf ("Quotient = %d", a/b);
    break;

case 5:
    if (a>b)
    printf ("The Greatest number among the two is %d", a);
    else
    printf ("The Greatest number among the two is %d", b);
    break;

case 6:
    if (a<b)
    printf ("The Smallest number among the two is %d", a);
    else
    printf ("The Smallest number among the two is %d", b);
    break;

case 7:
    if (a==b)
    printf ("True\n");
    else
    printf ("False\n");
    break;

case 8:
    if (a!=b)
    printf ("True\n");
    break;

case 9:
    printf ("Remainder = %d", a%b);
    break;
```

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```
case 10:
    printf ("Average = %.f", (a+b)/2.0);
     break;
case 0:
    exit (0);
default :
    printf ("Invalid Input ! Please try again later\n");
}
}
}
```

2]

```
#include <stdio.h>
float Summer (int n, int y)
{
    printf ("Sum : %d\n", n+y);
    return ((n+y)/2);
}
void printeven (int n, int y)
{
    printf ("All the even numbers from %d to %d\n", y, n);
    for (int i=y; i<=n; i++)
    {
        if (i%2==0)
        printf ("%d", i);
    }
}
```

2]

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```
int main()
{
 int a[3], g1, g2, t;
  printf("Enter the three numbers \n");
  scanf("%d %d %d", &a[0], &a[1], &a[2]);
  for (int i=0; i<3; i++)
  {
    for (int j= i+1; j<3; j++)
    {
      if (a[i]< a[j])
      {
        t = a[i];
        a[i] = a[j];
        a[j] = t;
      }
    }
  }
  g1 = a[0];
  g2 = a[1];
  float aver = Sumaver(g1, g2);
  printfaver(g1, g2);
   return 0;
  }
```