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/*
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       Title: Inter-process Communication using Shared Memory using System V
*/
FILE 1:
#include<stdio.h>
#include<unistd.h>
#include<sys/ipc.h>
#include<sys/shm.h>
#include<string.h>
int main()
{
       // ftok to generate unique key
  key_t key=ftok("a8",8);
  // shmget returns an identifier in shmid
  int shmid=shmget(key,1024,0666|IPC_CREAT);
  // shmat to attach to shared memory
  char *str=(char*) shmat(shmid,(void*)0,0);
       if (shmid == -1) {
          perror("Could not get shared memory");
  printf("Enter Account Details(Name - Account balance): \n");
  gets(str);
  printf("Fine\n");
  //detach from shared memory
  shmdt(str);
  return 0;
}
FILE 2:
#include<stdio.h>
#include<unistd.h>
#include<sys/ipc.h>
#include<sys/shm.h>
#include<string.h>
int main()
       // ftok to generate unique key
  key_t key=ftok("a8",8);
  // shmget returns an identifier in shmid
  int shmid=shmget(key,1024,0666|IPC_CREAT);
  // shmat to attach to shared memory
  char *str=(char*) shmat(shmid,(void*)0,0);
```

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int accBal=0,i=0,j=0;
  char name[100],temp[100];
  if (shmid == -1) {
     perror("Could not get shared memory");
     return 0;
  while(str[i]!='-'){
    name[i]=str[i];
    i++;
  }
  name[i]='0';
  i++;
  while(str[i]!='\0'){
    temp[j]=str[i];
    i++;
   j++;
  }
  sscanf(temp,"%d",&accBal);
  tAccount Holder Name :: %s \n\t\tAccount Balance :: %d\
n",name,accBal);
  int ch;
  do{
 printf("-----\n");
printf("-----\n\t MENU\n-----\n1.Total Account
Balance \n2.Withdraw Amount \n3.Deposit Cash \n4.Exit \n\nEnter Choice : ");
  scanf("%d",&ch);
  switch (ch)
  case 1: printf("\nTotal Balance : %d\n",accBal);
      break:
  case 2: printf("\nEnter Amount to Withdraw : ");
      int x=0;
      scanf("%d",&x);
      if(x \le accBal)
        accBal=accBal-x;
        printf("\nSuccessfully Withdrawl !!!!! \n\nAmount After Withdrawl : %d\n",accBal);
      else{
        printf("\nAccount balance is low !!!!!\n");
      break;
  case 3: printf("\nEnter Amount to Deposit : ");
      int y=0;
      scanf("%d",&y);
```

