2 a)

#include<stdio.h>  
#include<string.h>  
  
struct Employee{  
int empno;  
char e\_name[50];  
char designation[50];  
int basicpay,hra,pa;  
int netpay;  
  
}e[5];  
  
void main(){  
for (int i=0;i<3;i++){  
scanf("%d %s %s %d %d %d",&e[i].empno, e[i].e\_name, e[i].designation, &e[i].basicpay, &e[i].hra, &e[i].pa );  
e[i].netpay=e[i].basicpay+e[i].hra+e[i].pa;  
printf("The netpay is: %d \n",e[i].netpay);  
}  
  
for (int i=0;i<3;i++){  
if (strcmp(e[i].designation,"Manager")==0){  
printf("Manager details: \n %d \n %s \n %s \n %d \n %d \n %d \n %d \n", e[i].empno, e[i].e\_name, e[i].designation, e[i].basicpay, e[i].hra, e[i].pa, e[i].netpay );  
}  
}  
  
for (int i=0;i<3;i++){  
if (e[i].netpay>200000){  
printf("Employee details with high salary: \n %d \n %s \n %s \n %d \n %d \n %d \n %d \n",e[i].empno, e[i].e\_name, e[i].designation, e[i].basicpay, e[i].hra, e[i].pa, e[i].netpay );  
}  
}  
  
for (int i=0;i<3;i++){  
if (e[i].e\_name[0]=='A'){  
printf("Employee details whose name starts with A: \n %d \n %s \n %s \n %d \n %d \n %d \n %d \n",e[i].empno, e[i].e\_name, e[i].designation, e[i].basicpay, e[i].hra, e[i].pa, e[i].netpay );  
}  
}  
  
}

2 b)

#include<stdio.h>  
#include<string.h>  
  
struct Student{  
int regno;  
char name [50];  
struct coursereg{  
char subcode[10];  
char subname[50];  
char slot[50];  
int cred;  
}cr;  
}s[10];  
  
void main(){  
for (int i=0;i<3;i++){  
scanf( "%d %s %s %s %s %d", &s[i].regno, s[i].name, s[i].cr.subcode, s[i].cr.subname, s[i].cr.slot, &s[i].cr.cred);  
}  
printf("List of students\n");  
  
for (int i=0;i<3;i++){  
printf("%d\n%s \n%s \n%s \n%s \n%d \n", s[i].regno, s[i].name, s[i].cr.subcode, s[i].cr.subname, s[i].cr.slot, s[i].cr.cred);  
}  
  
char slot[10];  
printf("Enter the slot to be searched:");  
scanf("%s",slot);  
  
for (int i=0;i<3;i++){  
if (strcmp(s[i].cr.slot,slot)==0){  
printf("%d\n%s \n%s \n%s \n%s \n%d \n", s[i].regno, s[i].name, s[i].cr.subcode, s[i].cr.subname, s[i].cr.slot, s[i].cr.cred);  
}  
}  
  
int regno;  
printf("Enter the regno:");  
scanf("%d",&regno);  
  
for (int i=0;i<3;i++){  
if (s[i].regno==regno){  
printf("%d\n%s \n%d \n", s[i].regno, s[i].name, s[i].cr.cred);  
}  
}  
  
}