**Assignment Policy:**

1. Late assignments will NOT be accepted.

2. Cheating is forbidden in this course and will be considered a -10 mark.

3. All assignments must be keyboarded (handwritten work will NOT be accepted).

4. Assignments should be stapled and placed in an unsealed envelope.

5. You should add the cover page that has your full information to your answers sheet.

Substantial departures from the above guidelines will NOT be graded.

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1. **What is the output of the following C segments:**

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| --- | --- |
| 1. int row, column;   for(column =0; column<5;column++){  for (row=0; row<5;row++){  if(row%2==column%2)  printf("\*");  else  printf(" ");  }  printf("\n");  } |  |
| 1. main() {   int c=5,s,j,i,t;  for(s=1;s<=c;s++ ) {    for(t=0;t<c-s;t++)  printf(" ");    for(j=1;j<s;j++)  printf("%d",j);    for(i=j;i>=1;i--)  printf("%d",i);    printf("\n");  }  } |  |
| 1. main()   {  int num=13;  while(num%2!=0){  printf("%d \n", num++);  if(num<=25)  num++;  }  } |  |
| 1. int END\_PROGRAMM=-1; int number=-1; while(number!=END\_PROGRAMM){  scanf("%d",&number);  printf("%d",number);  } |  |

1. **Rewrite the following code using while loop:**

|  |  |
| --- | --- |
| int i;  for(i=7;i<12; i++)  printf("in iteration no. %d \n",i-6); |  |
| int i,j,k;  for(i=0;i<5;i++){  for(j=0;j<i;j++)  printf("\*");  for(k=5;k>i;k--)  printf(" ");  printf("\n");  } |  |

1. **Write a C program to print the Diamond shape:**

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