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| Nama | ABDUL AZIZ |
| NIM | C1A160006 |
| OSP | 2012 |

1. No.26

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| Kode Program Dalam Soal : *(Soal Dirapikan)* |
| function F1(i, j : integer) : integer;  begin  if (i < 0) or (j < 0) then  F1 := max(i, j) + 1  else  if i = j then  F1 := F1(i + 1, j - 1)  else  F1 := F1(i - 2, j - 1) + F1(i - 1, j - 2);  end; |
| Kode Program Dimodifikasi : *(Hasil Modifikasi Diwarnai)* |
| Program osp26;  uses crt;  function F1(i, j : integer) : integer:  begin  if (i < 0) or (j <0) then  F1 := max(i, j) + 1  else  if i = j then  F1 := F1(i + 1, j - 1)  else  F1 := F1(i - 2, j - 1) + F1(i - 1, j - 2);  end;  var  i, j : integer;  begin  readln(i); *{input : 3}*  readln(j); *{input : 4}*  writeln;('Hasil : ',F1(i, j));  readln;  end. |
| Output Dari Kode Program Yang Dimodifikasi : |
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1. No.27

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| Kode Program Dalam Soal : *(Soal Dirapikan)* |
| function F2(n, k : integer) : integer;  var  i, x : integer;  begin  x := 1;  for i := n downto k + 1 do  x := x \* i;  for i := n - k downto 2 do  x := x div i;  F2 := x;  end; |
| Kode Program Dimodifikasi : *(Hasil Modifikasi Diwarnai)* |
| program osp27;  uses crt;  function F2(n,k : Integer) : Integer;  var  i, x : Integer;  begin  x := 1;  for i := n downto k + 1 do  x := x \* i;  for i := n - k downto 2 do  x := x div i;  F2 := x;  end;  var n,k : Integer;  begin  readln(n); *{input 6)*  readln(k); *{input 2}*  writeln;  writeln('hasil : ',F2(n,k));  readln;  end. |
| Output Dari Kode Program Yang Dimodifikasi : |
| 6  2  Hasil : 15 |

1. No. 28

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| Kode Program Dalam Soal : *(Soal Dirapikan)* |
| procedure F4(n : integer);  begin  if n = 1 then  write('\*')  else  begin  write('\*');  F4(n - 1);  write('\*');  end;  end; |
| Kode Program Dimodifikasi : *(Hasil Modifikasi Diwarnai)* |
| program osp28;  uses crt;  var  nilai : Integer;  procedure F4(n : integer);  begin  if n = 1 then  write('\*')  else  begin  write('\*');  F4(n - 1);  write('\*');  end;  end;  begin  readln(nilai); *{input : 10}*  writeln;  F4(nilai);  readln;  end. |
| Output Dari Kode Program Yang Dimodifikasi : |
| 10  \*\*\*\*\*\*\*\*\*\* |

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1. No. 32

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| Kode Program Dalam Soal : *(Soal Dirapikan)* |
| if a > b then  if b < c then  b := a + 2 \* c  else  c := b + 2 \* c  else  a := b + c;  d := a + b + c |
| Kode Program Dimodifikasi : *(Hasil Modifikasi Diwarnai)* |
| program osp32;  uses crt;  var  a,b,c,d : Integer;  begin  readln(a);  readln(b);  readln(c);  if a > b then  if b < c then  b := a + 2 \* c  else  c := b + 2 \* c  else  a := b + c;  d := a + b + c;  writeln('hasil : ',d);  end. |
| Output Dari Kode Program Yang Dimodifikasi : |
| 1  2  3  Hasil : 10 |

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1. No. 35-36

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| Kode Program Dalam Soal : *(Soal Dirapikan)* |
| function campur(n : integer) : integer;  begin  campur := n \* n;  end;  function aduk(x,y,z : integer) : integer;  begin  if (y = 0) then  aduk := 1  else  if (y mod 2 = 0) then  aduk := campur(aduk(x,y div 2,z)) mod z  else  aduk := ( (x mod z) \* aduk(x,y-1,z) ) mod z;  end;  var a,b,c : integer;  begin  readln(a,b,c);  writeln(aduk(a,b,c));  end. |
| Kode Program Dimodifikasi : *(Hasil Modifikasi Diwarnai)* |
| program osp35\_36;  uses crt;  function campur(n : Integer) : integer;  begin  campur := n \* n;  end;  function aduk(x,y,z : integer) : Integer;  begin  if (y = 0) then  aduk := 1  else if (y mod 2 = 0) then  aduk := ( (x mod z) \* aduk (x,y-1,z)) mod z;  end;  var  a,b,c : Integer;  begin  readln(a);  readln(b);  readln(c);  writeln;  writeln('hasil : ',aduk(a,b,c));  end. |
| Output Dari Kode Program Yang Dimodifikasi : |
| No 35  2  10  10  hasil : 4  No 36  4  40  5  Hasil : 1 |